

# DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOLUME XV

NEW YORK, JULY 9, 1924

NUMBER 2

## MATHIESON Chemicals

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In This Issue { Six Months Decline in Chemicals  
Medicinal Materials Again at Low Point

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VOLUME XV

NUMBER 2

# The Week in Brief

## News

The drop in chemical prices, which started a year ago, has resulted in a 25 per cent decline, on the average, up to July 1.

Botanical drugs and essential oils, after advancing early in the year, are again at the low point which they touched a year ago.

Japan has sent a commission to the United States to find new markets for camphor. The officials will visit European countries on the same quest.

The Insecticide and Disinfectant Association met in Montreal and elected officers for the coming year.

Imports of dyes through New York in June amounted to 147,830 pounds, valued at \$151,331, compared with 167,245 pounds, valued at \$165,521, in May.

## Markets

Industrial chemicals have shown little change during a quiet week. Tin salts are higher for July. Cautic potash tending easier. Oxalic acid is under competition. Barium compounds are easier. Sodium prussiate is weak.

Intermediates and dyes are steady on slow demand. Benzol and toluol situation growing strong with decreased production. Cresylic acid and pyridine are easier. Phenol demand quiet.

Oil market has been quiet during the week with a fairly steady undertone. Stearine and tallow are higher as export demand improves. Chinawood oil continues dull. Linseed oil is firm.

Fine chemicals are in steady demand in spite of the holidays, especially is this true of saccharin. Formaldehyde is weak. Citric acid is strong for shipment. Cod liver oil is firm abroad.

Essential oils are generally quiet on spot, although primary markets are exceptionally firm for shipment. Oils cedar wood, citronella, and lemon are firm on spot. Oils bergamot, orange, and wormseed are lower.

Crude drugs are in small demand at the moment with tendency to lower prices as easier figures come in from the country. Mexican sarsaparilla is firm though quiet. Agar agar is easy.





## THE LEATHER MARKET

Leather in some form is used by every nation and tribe inhabiting the globe. The vastness of the industry and its dependence upon chemicals are calculated to tax the ingenuity of chemical resources.

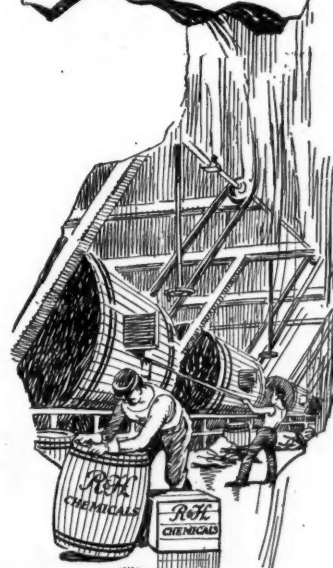
But quality of finished product and economy through efficiency are twin demands of the leather industry fully met by R & H Chemicals.

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42<sup>ND</sup> YEAR



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# DRUG & CHEMICAL MARKETS

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## MUST GET BUSY AT MUSCLE SHOALS

Preparations must be pushed for the production of nitrates from the air if the United States is to provide for the future, not only for supplying nitrate for fertilizer, but for use in explosives. Trade interests acknowledge that the day of the natural product is passing, owing to the limited deposits in Chile, the principal source of nitrate of soda. The estimated life of a nitrate company is not greater than 18 to 20 years. Some of the Chilean companies will exhaust their deposits in seven to ten years. The most optimistic owners admit that at the present rate of consumption their resources will last only 30 to 32 years.

The output of the synthetic product at Muscle Shoals, with the biggest nitrate plants in full operation, would not be one-fiftieth of the present Chilean production, according to authoritative estimates. Leading nations are paying about \$100,000,000 annually for Chilean nitrate, and Chile will not attempt to conserve her resources, because she needs the money. The amount received by the Chilean Government for nitrate taxes and for its share in the nitrate industry supports both the army and navy, and she will encourage sales rather than limit them. Germany has become independent of Chilean supplies, practically. France is progressing in synthetic output by using German patents, and a plant is being built in England by leading alkali manufacturers. At present the cost of making the synthetic product is the deterrent, but the United States cannot afford to delay preparations until the natural product is no longer available.

## HOW THE TARIFF AFFECTS CHEMICALS

While free traders in the United States point with pride to Free Trade England, it is apparent that not all Britons are against a protective tariff if one may judge from reports of annual meetings of chemical companies. The chairman of W. J. Bush & Co., London, told the stockholders recently that when the Safeguarding of Industries Act expires in 1926 the company will be exposed to worldwide competition, and in view of the low rate of wages now being paid on the Continent the company might be forced to discontinue the manufacture of some of their products. In that event, he said, not only would the costly plant which had been erected be scrapped, but a number of men would be thrown out of employment.

Great Britain is an advocate of free trade because she cannot produce enough food to feed more than a small fraction of her population, and she must obtain grain and produce from Germany, Russia

and British colonies in exchange for manufactured goods. But countries like France and Germany which manufacture products similar to those made in England can sell them cheaper than British manufacturers can make them. In the United States these cheap foreign goods are offered at prices that threaten the ruin of American industries, and without an adequate tariff, would soon force manufacturers to close their factories, throwing hundreds of thousands out of employment. American working men, even aliens who come here and enjoy the comforts obtainable with high wages, are unwilling to give up the high standard of living established in America, and would never accept a reduction in wages to the low level paid in European and Asiatic countries. An election is coming and the result will show what the wage worker thinks of protection!

## UNFAIR DYE CRITICISM

"Unjust and misleading" is Dr. Herty's criticism of recent attacks on the dye tariff, alleging that the law is "unworkable." Editorially the "New York Times" assumed that fixing dutiable value on the American selling price of a product was new. Such provision appeared in the Tariff Act of 1897, Section 32; in the act of 1909, Section 11, and the act of 1913, Paragraph 3, Section 1. The "Journal of Commerce" assumed recently that the Dye Standards published by the Treasury Department were an "admission that to date the enforcement of the law has been anything but satisfactory." The Dye Standards were provided for in the Fordney-McCumber tariff, but it required time to prepare them, and they were issued when ready, and not because the act is "unworkable" or because "the dye duties are troublesome," as the paper said. They are troublesome only to foreign manufacturers seeking to ruin the American industry.

## ENGLISH TRADE AND CHEMICALS

British chemical salesmen complain that purchasers of heavy chemicals are taking only small quantities compared with orders placed in former years. Conditions over there seem very similar to the situation in the United States where both manufacturers and distributors are limiting their activities to suit immediate requirements. This conservative policy is likely to continue here through the Summer and possibly until the political outlook is clearer. In England the business uncertainty is caused by the slow recovery of Continental countries from the chaos following the war and the recent financial difficulties of German

firms. Chemicals purchased in London by Hamburg houses have been resold at ruinous loss, owing to the inability of German firms to obtain funds to pay for shipments. German markets are glutted with supplies and the situation re-acts upon London. Britain's foreign trade is expanded over the world so widely, however, that her manufacturers can dispose of accumulated stocks to advantage even with German markets closed temporarily. Recent statistics published by the British Board of Trade show that by 1922 entrances of shipping at British ports had recovered to 92.8 per cent of the entrances in 1913 and clearances to 93.8 per cent.

#### SELECTING FOREIGN AGENTS

In selecting agents to represent American firms in England "Commerce Reports" says it must be borne in mind that the best service can be given when the distributor is near the customer, which means near the center of population, and draws attention to the fact that while London has 15,999,184 people within a radius of 100 miles, Manchester has 18,115,098. The excess population in the Manchester area is due to the number of large industrial centers near there. A valuable map showing the communities included in these centers of distribution is published in "Commerce Reports" of June 30. Recognizing the increasing trade between the United States and Great Britain, which is America's best foreign market, the Cunard Steamship Co. has published a booklet showing how to route freight to and from inland points in the United Kingdom. It is distributed with their commitments to any firm doing business in England.

#### BEWARE OF DICTIONARY TRANSLATIONS

Dictionary translations into foreign languages in catalogues, circulars and advertisements lead to unfortunate mistakes, says "Commerce Reports," and cites the case of an American manufacturer who wished to say that his automobiles cost no more than a motor cycle. When the advertisement appeared the reader was told in large type that the car "is not worth more than a motor cycle." Attention is drawn to the attempts often made to use Americanisms in letters and circulars. These are not understood by foreigners. The intricacies of the foreign language must be understood in order to translate correctly. We find amusement in the efforts of others to write English, yet our own attempts to convey our meaning in another language are sometimes not only funny, but disastrous.

Chemical and dyestuff manufacturers were surprised to read in the Democratic platform that the cost of living had been increased two billion dollars by the Fordney-McCumber Tariff. A leading dye maker asked where the color industry would be today without a tariff and where the men now working in dye factories would find employment if Germany controlled the market here. It is better to have something with which to pay for household necessities than to be out of work. The platform advocates more effective competition by increasing

the imports of foreign goods. It might bring cheaper prices, but it would mean much lower wages in all industries in order to meet the competition.

French dealers in turpentine sold short, then the value of the franc advanced, and a wild scramble to cover commitments followed. The price of turpentine shot up, and now the dealers are too frightened to repeat short selling and prices remain firm. Some heavy chemical prices were affected by similar conditions and firm markets are probable for some time to come.

#### *Many Men: Many Minds*

"The chemists have already proved that coal contains at least 1,500 separate products, each one of which can be extracted in a mechanical way and sold commercially," says the "Mining Congress Journal" "The Germans have built a great industry on only 15 per cent of tar which is obtained from coal. America, having a larger volume of coal of a better quality, can do everything that the Germans have done, and more."

Guiseppe Faccioli, engineer of the Pittsfield, Mass., plant of General Electric Co., says it is not impossible that bankers, business men and economists may wake up some morning and discover that the gold monetary standard had been knocked irrevocably and for all time into a cocked hat—that modern scientists at last had discovered the goal of the ancient alchemists, the means by which to transmute base metals into the purest gold.

Well, the Germans are on the defensive again, says the "Textile World." A news item states that the German dye cartel may open a small chain of haberdasheries in the United States, featuring socks, shirts and other apparel dyed with their colors to demonstrate fastness to rain, sunlight, etc. It is said that such cooperative haberdasheries have been operated in Germany for some months. Pretty soon we may hear German dyes offered as: "Just as good as their American prototypes."

"The high state of industrial activity which characterized the first quarter of the year reached its crest about the middle of March and has been declining since, but in recent weeks the downward movement apparently has been checked, the curtailment of production and of wholesale buying having outrun the falling off in retail distribution," says the National City Bank, New York. "The latter is what usually happens in a period when prices are weakening. Neither producers nor dealers wish to accumulate stocks when the outlook appears to be for slackening demand and falling prices."

I remember when in Washington taking a dollar lecture tour in a char-a-banc to see the sights of the city, writes Sir Ernest Benn in "The Chemical Age," London. The lecturer he waxed really eloquent and enthusiastic as he passed house after house of senators and other celebrities, telling us in every case how many million dollars each one was worth. It struck me as remarkable that an out-at-elbow char-a-banc lecturer should exhibit such obvious pride in the millions possessed, or supposed to be possessed, by his fellow citizens. In England we get a totally different picture; here, a man who makes a profit is almost ashamed of it himself, and he is, to a very dangerous extent, an object of scorn or derision in the eyes of some people, and certainly of most politicians.





# Industrial Chemical

## SECTION



## The Six Months Decline in Chemicals

*Drop in Prices Started a Year Ago, Ends First Half of 1924  
About 25 Per Cent Under July 1, 1923*

**I**NDUSTRIAL chemicals during the first half of 1924 have shown a decline of 25 per cent in prices. This is not surprising since chemical industries are dependent upon industries manufacturing products for human consumption and use and when demand for these products falls off, chemical prices are naturally affected in the great interdependent cycle of industries. The surprising part is that prices have not shown an even greater drop than has taken place. For months, the cry of over-production was constantly heard. Consumers of chemicals who had already begun to feel the pinch of slow buying of their own finished products, began to curtail their purchases at the same time knowing that no difficulty would be experienced in obtaining supplies at a later time. Those who had made requirement contracts for the year or half-year, were well satisfied with their business acumen. Some buyers tried to turn back contract deliveries into the market, while others became more cautious in their purchasing policies. While chemical values have suffered during the first six months, prices in many cases were already at fairly low levels and production sufficiently retarded to prevent too great a chemical surplus.

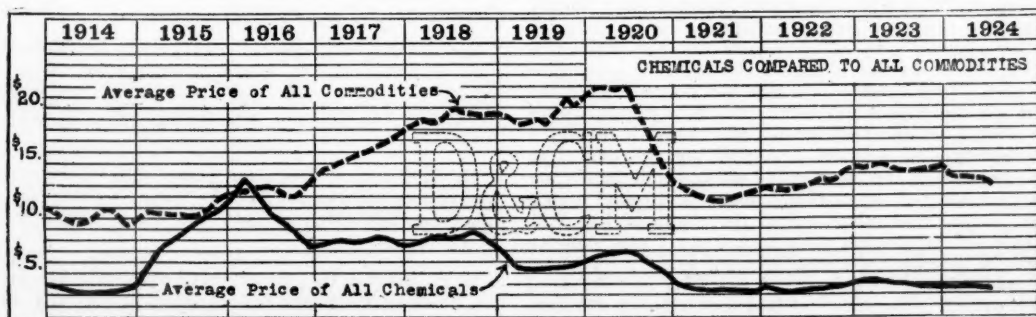
The slowing down of business and the readjustment of production to consumption, with its resulting decline in prices, and a wave of conservative buying, has left in its wake closed mills and factories. Textile inactivity has been the most prominent and of the longest duration. Leather has followed textiles quite closely in its curtailment of production. Paper pulp mills have been affected by the importation of foreign pulp. Rubber industry has suffered from over-production and too keen competition. Paints have shown a decided slump. Fertilizer consumption has been larger than last year, but competition and low prices left small profits for producers. Steel has been the latest to feel the effects of the depression in buying. Political developments and unseasonable weather during the Spring have also contributed to the general situation. Export business has

been slow owing to foreign competition. All have been reflected directly in a depressed market for chemicals.

Basic chemicals, such as alkalis and mineral acids, have followed a steady course as far as prices are concerned. The first four months found alkali shipments comparable with those of last year, but recently they have declined. Low prices for export weakened the market temporarily, but the situation appears to have strengthened. Sulfuric acid is slightly lower than at the opening of the year. Bleaching powder and liquid chlorine, after opening the year at bankruptcy prices of \$1.25 for bleach and 3c per pound for chlorine, following the price war during the last half of 1923, showed a remarkable recovery to \$1.90 and 4½c lb., prices which have been firmly maintained during the past three months. The cold Spring has been favorable for bleach storage while stocks are reported to be less burdensome than in former years.

One of the outstanding developments during the period under review was the drop in acetate of lime prices and the attendant results of lower prices for other wood chemicals and products derived from them. Pressure for lower prices from acetic acid manufacturers, competition from Canada and accumulation of stocks, forced lime acetate from 4c per pound in January to 3c in April. Acetic acid quickly followed suit. Methanol and formaldehyde have been cut at regular intervals, though the statistical position of the former is understood to be strong, owing to a steady curtailment of production. Competition, however, has been keen in this product and declines have been announced in the face of prediction of higher prices by prominent factors. Methyl and C.P. acetone dropped quickly from \$1.15 per gallon and 25c per pound to 70c and 15c, respectively. C.P. acetone was under sharp competition in a price war between makers using the acetate and fermentation processes which resulted in the temporary elimination of the former for a time owing to the final low prices.

The Spring months also saw a change in the complexion of the arsenic and calcium arsenate markets.



Early predictions of a shortage of calcium arsenate during the Summer months, because of the slowness with which arsenate was selling, failed to take into consideration the vagaries of consumers in the South, and failed to make any impression upon farmers and dealers who, apparently, were in no great hurry about stocking up for Summer consumption. Then, too many dealers who bought early last year, found it an unprofitable experience. Reports of cheap arsenate and plenty of it, also had their effect. As a result calcium arsenate has not sold as freely as was anticipated, and, as the consuming season gradually approached, competition between manufacturers, and the desire to move accumulated stocks, caused a break in prices at a time when they were expected to be strong. This situation naturally affected buying of white arsenic, world production of which has increased each succeeding year, and prices declined, gradually at first, then sharply from 13c per pound six months ago to 8c and below during the past month. Forced sales were frequent and had more to do with weakening the market than did the lack of demand.

The ever-present lower prices of a number of chemicals of foreign origin also created considerable competition between importers and domestic manufacturers and precipitated several little price wars which probably would never have arisen under normal conditions and demand. Domestic oxalic acid opened the year at 12c per pound but recently has been forced to meet 10c prices for imported material. Domestic potassium permanganate has been meeting the 14c quotations of German goods. Imported copperas caused makers here to meet lower prices in the market at \$15.00 ton in bulk. Low priced foreign barium carbonate weakened the domestic material. Cheap foreign ammonium sulfate has cut into the export business of domestic producers. Salt cake has been sold at \$18.00 ton in competition with imported cake. The prevailing acetic acid prices were found too high as compared to Canadian acid until the reduction went into effect. Imported formic acid also found a ready market while the higher acetic acid prices were in effect and had much to do with forcing lower prices for acetic. Glauber's salt declined under home competition. Imported copper sulfate had little effect upon domestic material which moved within narrow limits mainly with the price of metal. Last, but not least, was the steady hammering of prices of imported soda prussiate to as low as 9½c a pound which caused domestic producers to reduce their prices 2c a pound since the first of the year. Tin prices rose steadily during the first quarter, to over 50c per pound, carrying correspondingly higher prices for tin salts, and oxide, declining again during the second quarter.

Dyes and intermediates have naturally been quiet owing to the lack of activity in the textile, leather, and other industries. While prices have not varied greatly, gradual changes during the first half of the year have produced a lower average price for all products. Prices of intermediates have apparently reached their lowest levels and further reductions will not bring any increase in business as long as consumers are not interested. Then, too, production is regulated more in keeping with demand. After climbing to 38c per pound during the first quarter, phenol suddenly slumped to 25c, following a complete cessation of demand, after which it recovered gradually to 28c a pound. Supplies are still limited to small quantities and any demand would see an immediate strengthening of the market. Benzol and toluol gradually worked themselves out of the slump of last Fall, caused by the gasoline price war, and are now showing signs of independent strength owing to the curtailment of production at the coke ovens, following curtailment of steel output, at the season of large consumption of motor benzol.

## SULFURIC ACID EXPORTS INCREASE

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 9.—According to preliminary figures exports of chemicals and allied products during May had an aggregate value of \$12,461,319, the record to date for the year, according to the Chemical Division, Department of Commerce. In discussing the May exports in detail the Division says:

A decline of 18 per cent in industrial chemicals was recorded in May, from a total valuation of \$2,469,215 in May 1923, to \$2,026,255 in May 1924. An outstanding feature of the trade was the unusually large shipment of sulfuric acid when 1,884,807 pounds, valued at \$24,549, were exported. All other acids diminished. Reductions were made in ammonia and ammonium compounds, aluminum sulfate, bleaching powder, copper sulfate, formaldehyde, chlorate of potash, bichromate of potash, and all other potassium compounds, while more or less slight advances were recorded in acetate of lime, calcium carbide, dextrine, and glycerin.

Noticeable among the losses was the 33 per cent drop in quantities and 24 per cent in values of sodas and sodium compounds, 26,452,510 pounds, valued at \$729,935, having been exported in May.

Less sulfur (41,495 tons worth \$635,389) was shipped to foreign countries in May this year, than in May 1923.

## METHANOL OUTPUT DECLINED IN MAY

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 9.—May production of acetate of lime totaled 11,538,625 pounds compared with 14,822,716 pounds produced in the same month of last year according to the Department of Commerce. Shipments during May totaled 8,101,546 pounds compared with 17,937,601 in the same month of last year while stocks on hand at the end of May totaled 33,985,853 pounds compared with 9,007,287 on hand at the end of the same month last year.

Production of methanol during May according to the Department's figures totaled 599,202 gallons compared with 798,369 gallons produced in the same month of last year. Shipments of methanol in May of this year totaled 620,122 gallons as compared with 566,870 gallons in the same month of last year while the stocks on hand at the end of May amounted to 2,615,144 gallons as compared with 2,429,617 gallons on hand at the end of the same month of last year.

Hubert Ives, textile chemical dealer of Boston, answered an inquiry for sodium sulfide from a Peabody mill so promptly on July 2 that he was stopped by the police for speeding just outside of Lynn. His excuse of the pressure of business so impressed the officer that he escaped a summons.

Richard Baybutt, general manager of the Hub Dye-stuff & Chemical Co., South Boston, Mass., who was expected back from England this month, now plans to extend his trip and will return the latter part of August.

H. C. Bierman, for some years with Westinghouse interests as patent attorney, has started a patent department for the American Cyanamid Co. of which he will be in charge.

L. H. Butcher Co., importers of chemicals, has moved its headquarters from 862 Mission St., to 274 Brannan St. San Francisco.

**JUNE DYE IMPORTS WERE SMALL***(Special to Drug & Chemical Markets)*

Washington, July 9.—Coal tar dyes imported through New York in June totaled 147,380 pounds with an invoice value of \$151,331, compared with May imports of 167,245 pounds, valued at \$165,521, according to the Chemical Division, Department of Commerce in collaboration with the Chemical Section of the Tariff Commission. In addition, there were imported through Providence 3,644 pounds valued at \$3,327; Philadelphia, 1,500 pounds, valued at \$1,680, and Boston, 495 pounds valued at \$519.

June imports at New York were the smallest of any month this year, both in quantity and value.

The five leading colors imported last month were trisulphon brown, 9,832 pounds; ciba violet B, 9,259 pounds; alizarine blue black, 7,951 pounds; indanthrene orange golden G, 6,990 pounds.

Shipments from Germany led in June, as they have every month in 1924, forming 49 per cent of the total last month. Switzerland was second, with 39 per cent, Italy third with 4 per cent. England's shipments dropped to 2 per cent of the month's total. Holland sent 3 per cent, Belgium and France 1 per cent each and all other countries 1 per cent. Shipments from Germany in June were larger than in May, but smaller than in April.

Imports of color lakes last month totaled 330 pounds valued at \$463, compared with 3,421 pounds valued at \$1,034 in May. Imports of medicinals, intermediates, photographic developers and other coal tar chemicals last month jumped to 106,127 pounds valued at \$22,669, compared with 17,534 pounds valued at \$7,001 in May, the June figures being the largest since March. Imports of synthetic aromatic chemicals in June totaled 4,895 pounds valued at \$10,500, compared with 4,002 pounds valued at \$15,943 in May.

**INYO ABSORBS CALIFORNIA ALKALI**

Inyo Chemical Co., San Francisco, has absorbed California Alkali Co. and is now making extensive alterations on the plant of the Alkali Co. at Cartago. In addition to producing soda ash, the company will also make potash, borax, sodium sulfate. Within three months, caustic soda will be produced at the plant. The office of Inyo is 910 Santa Fe Bldg., San Francisco.

Interstate Commerce Commission has ordered a downward revision of rates on naval stores from Southern points of origin to destinations as far north as Milwaukee in an investigation and suspension case involving all rates on naval stores from Southern producing points to all destinations.

Borax has declined in the Boston market, dealers being willing to accept 5½ cents which is a decline of a half cent. The two-cent reduction in alcohol on business for July, effective last week, has not as yet caused any expansion in buying.

E. & F. King Co., of Boston, chemical jobbers, have moved from 367 Atlantic ave. where they have been located for twelve years, to new offices at 405 Atlantic ave., adjacent to their warehouse.

Rayner & Stonington, formerly J. H. Rayner & Co., New York, vegetable oils, was formed, recently, to take over the assets and liabilities of the old firm.

Exports of linseed oil during May totaled 142,803 pounds, valued at \$19,119, while exports of soya bean oil totaled 183,614 pounds valued at \$20,465.

**BOSTON CHEMICAL TRADE BRIGHTER**

**Over-the-holidays Orders Promise the Usual August Revival—Future Deliveries Attracting Interest—Competition Still Keen for the Business That Is Passing**

*(Special to Drug & Chemical Markets)*

Boston, July 9.—No veteran in the chemical or dye trade here can be found who remembers a more protracted or more quiet spell in the business than has held since last March. But a flurry of rush orders that has come in yesterday and today, and reports that several mills in the Taunton, Lynn, and Fall River districts are opening up or increasing their days per week run are the first, definite signs justifying the widely held belief that by the time August comes the usual fall work will materialize.

One feature of the long dull period, which may have some long lasting effects, has been the invasion of New England territory by outside firms and the extension of New England sales effort into Connecticut west of New London and into northeastern New York State. As an example, several of the packing houses, notably Wilson, as well as Harshaw, Fuller & Goodwin, and C. J. Schellings & Co. have been actively soliciting glycerin business right in the Boston territory while factors here have made forays into their territory at Bridgeport, New Haven, and Meriden. A similar result has been the extension of lines by New England sales agents and dealers with the obvious object of skimming any cream of orders their good friends and old customers may be placing even for goods they do not ordinarily handle.

One most encouraging sign has been the comparative firmness of prices in spite of bitter competition. Non-standard brands of alkali are an exception; but most chemical prices have only been shaded fractionally. This means, obviously, that there are no distressed lots on the market. The Boston market was never so over-ridden with shoe string speculators as New York and Chicago, and leading New England factors, both manufacturers and dealers, have all along been characterized by conservatism. The trade here is confidently expecting good business this fall, and some even forecast a boom business.

**JUNE NITRATE SALES SMALL***(Special to Drug & Chemical Markets)*

Washington, D. C., July 9.—Exports of nitrate from Chile during the first half of June were less by one-third than those of the corresponding period in May, according to a cablegram to the Department of Commerce from Commercial Attache Ackerman, at Santiago. Heavy bookings for future shipments are reported. Customs receipts in May amounted to 9,053,330 gold pesos which is approximately 600,000 pesos less than in May of last year. The cable states that this decrease reflects smaller nitrate exports and a slight decrease in import revenues.

Kalbfleisch Corp., New York, heavy chemicals, has obtained a permanent injunction in the United States District Court, Providence, R. I., restraining the Providence Drysalts Co. and E. F. Jones, president, and Lester P. Brown, a former employee of Kalbfleisch Corp., from using secret methods in the manufacture of satin white, which belong to the Kalbfleisch Corp.

Logan L. McLean, treasurer of F. E. Atteaux & Co., Boston is playing a prominent part in the Elks convention in Boston, having charge of the harbor trips. Mr. McLean is past exalted ruler of Boston lodge.



## The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, pages 112-114

### LITHOPONE AND ZINC OXIDE LOWER

Slow Demand Accounts for Easier Situation—Barium Chloride and Carbonate Weak—Imported Calcium Chloride Stronger—Copper Sulfate Demand Seasonal—Imported Prussiate Easier—Caustic Potash Shaded—Holidays and Seasonal Inactivity Add to Dullness

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Calcium Chloride, Imp., \$2.00 ton	
Declined	
Lithopone, 1/4c lb.	Barium Carbonate, \$2.00 ton
Zinc Oxide, 1/4c lb.	Barium Chloride, Imp., \$1.00 ton
	Potassium Prussiate, yel., 1/4c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acetic Acid, Glacial...lb.	\$11	\$11	\$11	\$12 1/4	\$19 1/2	\$7
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	15.00	55.00	20.00
Ammonium Sulfate, 100 lbs.	2.60	2.60	2.60	3.15	7.50	2.65
Bleaching Powder, 100 lbs.	1.90	1.90	1.90	1.75	9.50	1.50
Copper Sulfate, 1/100 lbs.	4.65	4.65	4.65	5.60	20.00	4.30
Potash Caustic, Imp...lb.	.06 3/4	.06 3/4	.06 3/4	.07 3/4	.87	.08
Soda Ash, 58 p.c., 100 lbs.	1.94	1.94	1.94	2.00	3.50	.60
Caustic Soda, 76 p.c. 100 lbs.	3.66	3.66	3.66	3.70	9.50	1.42
Potassium Bichromate...lb.	.09 3/4	.09 3/4	.09 3/4	.11 3/4	.65	.06 3/4
Sodium Prussiate, Imp. lb.	.09 1/2	.09 1/2	.09 3/4	.16	1.25	.18
Average .....	2.912	2.912	2.912	3.162	10.79	2.99

Industrial chemicals have shown practically no change during the week. The dullness which has pervaded the market during the past few months was accentuated last week by the closing of most chemical houses for two or three days over the week end in observance of the national holiday. Then, too, the traditional Summer dullness appears to have settled down upon the market. Nearly all factors in the trade report quiet conditions. Consumers are showing little interest in chemicals or prices. When orders come in they are usually for the small quantities for immediate consumption. Prominent sellers of alkalis report the annual decline in shipments for the Summer months. In contrast to this, however, they report an exceptionally large volume of shipments during the first three or four months of this year. A downward trend is still noticeable in industrial chemicals as various items succumb to the continued inactivity. Imported chemicals have been the most susceptible to declines during the past few months.

**Acid, Acetic**—Supplies are moving out regularly though in small quantities. With acetate of lime holding steady, acetic prices are unchanged. Makers quote 28% in barrels \$3.12@3.37 according to quantity; 56%, \$5.85@6.15; 70%, \$7.20@7.45; glacial, \$11.01@11.76.

**Acid, Formic**—Demand has been holding up well in this commodity and is being met wholly with imported material; 85% quoted at 12 1/2c/lb. and 90%, 13c/lb.

**Acid, Oxalic**—Competition is still keen and is keeping prices at low levels. Domestic is offered at 10c@11c/lb.; imported is reported firmer at 10c@10 1/4c/lb.

**Acid, Sulfuric**—Little change in the situation. While demand is not heavy, supplies are moving out regularly at unchanged prices. Tank car business is named at \$14.00@14.50 ton for 66° at works; carboys at \$1.25 @1.75 as to quantity; 60° in tanks at \$9.00@10.00 ton in tanks, works; Oleum held at \$17.00@18.00 ton in tanks; drums, \$1.25@1.50.

**Acetone**—Prices remained unchanged with the decline in methanol. Demand is reported increasing. Methyl acetone is held at 70c gal. in tanks at works and 73c@75c in drums. C.P. acetone is named at 15c and 16c

in tanks and 16c and 17c in drums. Acetone oils are firm at \$1.40@1.45 gal.

**Alums**—Firm owing to difficulty in production during the hot weather. Ammonia lump held at \$3.50@3.65 and ground, \$3.65@3.75. Potash lump, 4 1/4c@4 1/2c/lb. for domestic and 3c/lb. for imported. Chrome alum held at 5 1/4c@6c/lb.

**Arsenic**—Demand has been restricted to occasional sales for glass manufacture or weed killers. Insecticide makers are showing no interest at present owing to the uncertain situation in calcium arsenate. The market is generally quoted at 8c@8 1/4c/lb. though occasional sales are being made at 7 3/4c/lb. Imports at New York last week were 900 casks and 114 cases of German material.

**Barium Compounds**—Little activity is reported in the market and prices are easier. Imported chloride is quoted at \$79.00@81.00 ton, spot, Domestic named at \$90.00 ton. Carbonate is lower and quiet at \$60.00@61.00 ton for imported and \$64.00@66.00 ton for domestic at works. Nitrate is quiet at 8 1/2c/lb. Dioxide holding at 15c@17c/lb.

**Bleaching Powder**—Consumption is at a minimum during the Summer months with paper and textile mills operating far below normal. Makers, however, have been firm in the prices. Carlots are held at \$1.90 for large drums at works; small drums are \$2.15 and less than carlots, 15c higher.

**Calcium Arsenate**—Sales are being made from day to day but makers are over-stocked and the market continues weak. Acute demand may develop any day but the uncertainty is keeping the market depressed. Sales are reported at 10c@11c/lb. delivered Southern points.

**Chlorine**—Routine demand with price unchanged at former levels. Tank cars quoted 4 1/2c/lb., works; carlots of cylinders, 5 1/2c/lb.; less than carlots, 6 1/2c/lb.; less than ton lots, 7 1/2c/lb.

**Copper Sulfate**—Seasonal demand is up to normal. Practically all the shipments are for agricultural purposes. The recent humid weather has been conducive to growth of fungi and shipments have been increasing in some sections, especially Long Island. Prices are quotably unchanged at \$4.60@4.75 for domestic. Imported is dull at 4 1/4c@4 1/2c/lb.

**Carbon Tetrachloride**—Unsettled and under competition with makers quoting 7c@8c/lb. according to quantity.

**Copperas**—Quiet and easy with makers quoting bulk at \$15.00@16.00 ton works, bags, \$18.00 ton and barrels, \$20.00 ton.

**Glauber's Salt**—Routine demand with prices holding at \$1.20@1.70 according to seller and quantity.

**Lithopone**—Lack of demand has been felt in this item. Prices are lower with carlots of bags, 6 1/2c/lb. and barrels 6 3/4c/lb. Smaller quantities, 6 3/4c/lb.

**Potash, Caustic**—Occasional sales, are reported under recent quotations at 6 1/2c/lb. though generally held at 6 3/4c@6 1/2c/lb.

**Potassium Prussiate**—Yellow is easier at 18c@18 1/2c/lb. for domestic and imported material. Red is quiet and firm at 38c@40c/lb.

**Soda Ash**—Shipments have been falling off, but this condition is seasonal and simply following the usual Summer inactivity in consuming industries. Makers'



contract prices are unchanged with bulk, \$1.25, bags \$1.38, and barrels, \$1.63, in carlots at works. Spot prices for less than carlots named at \$2.04@2.19 in bags and \$2.29@2.44 in barrels, delivered.

**Soda, Caustic**—The situation is similar to that of soda ash. Summer dullness has affected deliveries which have been declining during the past two months. The first four months of the year were exceptionally good, however. Makers' prices continue at \$3.10 for 76% solid in carlots at works on contract. Ground and flake, \$3.50. Spot prices for 1c/1 quantities, \$3.76@3.91, delivered, for solid and \$4.16@4.31 for flake.

**Sodium Acetate**—Holding at 5c@5¼c/lb. on quiet demand.

**Sodium Prussiate**—Imported material has been inclined to be weak. Spot material is quoted at 9¼c@9¾c/lb. Shipments are named at 9c/lb., duty paid. Domestic named at 10¼c/lb. delivered. Arrivals at New York last week were 182 casks.

**Zinc Oxide**—Slow demand and lower metal prices have accounted for an easier tone. American make named at 8c@8½c/lb. as to quantity. French, 9¼c@10¼c/lb. in bags, works.

#### Metals

Copper experienced a quiet week during which prices eased off slightly to 12¾c@12½c/lb. for electrolytic. Lead is more or less routine with prices unchanged at 6.95@7c/lb., New York and East St. Louis, 6.85c@6.70c/lb. Tin has crept up slightly from 44c/lb. to 44.10c/lb. spot for Straits. Zinc has been quiet with occasional export sales. Quotations, New York, 6.10@6.15 and East St. Louis, 5.75c@5.80c/lb.

United States Gypsum Co., Chicago, has placed its enlarged hydrated finishing lime plant near Genoa, Ohio, in service. The improvements cost approximately \$300,000, making this the largest plant of its kind in the world with forty kilns and a rated output of 500 tons of hydrated lime per day.

Briefs in Mathieson Alkali Works and Arnold, Hoffman & Co. suit, involving transactions between the two corporations several years ago when Edward E. Arnold was president of both companies, will be filed July 14 with the United States Court at Providence, R. I.

Advices from Chile say that sales of nitrate for the year which closed on June 30, totalled 2,233,954 metric tons, while sales for the nitrate year which opened on July 1, already amount to the extremely large volume of 1,253,656 metric tons.

Pacific Coast Borax Co. is about to open its \$2,000,000 borax refining plant on Mormon Island, near Los Angeles, Calif. The location offers unusual facilities for distribution to both foreign and domestic markets.

W. E. Merriss, of American Smelting and Refining Co., New York, will be succeeded by George A. Brockington the first of the year. Mr. Merriss, after forty-one years of service, will retire from business.

The Mid-Summer Meeting of the Insecticide and Disinfectant Manufacturers Association was held at Montreal on July 1 and 2.

A. S. Barada, of Barada & Page, heavy chemicals, Kansas City, sailed for Europe June 21 for a short vacation.

B. L. Ward, of DuPont Powder Co., Wilmington, Del., was a visitor at San Francisco late in June.

#### CHEMICALS WEAK IN ANTWERP

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Antwerp, Belgium, June 16:—Most chemical products are weak, but the following remain firm (quotations are in pounds sterling):

	Per metric ton
Epsom Salts, technical in bags .....	3.10.0
Muriate of Ammonia, 98-100% fine cryst...	25. 0.0
Barium Chloride crystals .....	13. 0.0
Red Lead pure .....	42. 0.0

Arsenic has been as low as £45.; carbolic acid ice cryst. £65.; yellow prussiate of potash crystals £68.; yellow prussiate of soda £42.; red prussiate of potash £155.; sulfate of alumina 14/15% tech. iron free lumps £5.; sulfate of alumina 17/18% £6.10.0; oxalic acid crystals £28; chlorate of potash powder, £21; zinc chloride £23; lactic acid, 50% vol., £31.

Copper sulfate is in better demand and prices somewhat firmer. Glauber's salt, bichromates, cyanides, lithopone, calcined magnesia and carbonate of magnesia, sodium sulfide, borax and boric acid, chrome alum have been moderately active and unchanged in prices.

Rates of exchange today are: £ Sterling equals 91.20 Belgian francs. U. S. Dollar equals 21.10 Belgian francs.

Exports of fertilizer and fertilizer materials improved 20 per cent in quantity from 105,577 tons in May, 1923, to 126,271 tons in May, 1924, but declined 36 per cent in value from \$2,869,328 to \$1,800,857. Most significant in this group was the drop in exports of sulfate of ammonia, says the Chemical Division, Department of Commerce, when only about one-quarter as much was shipped in May as in May, 1923, when however, the figure attained was high. Foreign sales were smaller than for any single month throughout the year 1923. Japan was conspicuous for the slimness of her purchases having taken only \$86,117 (1,452 tons) this year as compared with \$1,248,064 (16,430 tons) last May. In contrast to this decline, phosphate rock, superphosphates, and prepared fertilizer mixture all represented expansions during this time.

A decision has been announced from Mulhouse turning over to the French Government the ownership of the Alsatian potash mines. The Government becomes the owner of the mines through a payment of twenty million francs to be liquidated in twenty years. These mines were formerly the property of the German Government and German industrialists. The management of the property has been turned over to an exclusively French corporation. It is proposed to require that certain proportions of the potash put on the market shall be at the disposition of French farmers, according to a report from C. L. Jones, Paris, to the Chemical Division, Department of Commerce.

Investigations by the Bureau of Standards have shown that when beryl, a by-product in feldspar and mica mining, is substituted for feldspar in the manufacture of porcelain in amounts varying from 25 to 45 per cent of the total mixtures, the other components being silica and clays, a product is obtained which displays a very high electrical resistance and low thermal expansion. This porcelain is therefore considered a very promising material for electrical uses. Due to the scarcity of beryl there has been no commercial production of this type of porcelain.

A deficit of 160,111,180 paper pesos in the 1924 budget of the Chilean government may be paid by the sale of nitrate lands by the government.

## The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 112

### BENZOL AND TOLUOL IN SMALL SUPPLY

Price Situation Strong Owing to Curtailed Production—Phenol Steady in Quiet Market—Naphthalene in Small Demand—Pyridine Easier—Cresylic Acid Inactive—Solvent Naphtha Strong—Quiet Week in Dyes and Intermediates

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced		No Advances		Declined		No Declines	
	Today	Week	Month	Last Year	Peak	War	Pre.	War
Benzene, pure .....	gal. \$24½	\$24½	\$24	\$27	\$1.10	\$25		
Naphthalene, flake .....	lb. .03½	.03½	.03½	.07½	.16	.03		
Phenol, Spot .....	lb. .27	.27	.28	.37	1.50	.08		
Toluene .....	gal. .26	.26	.26	.20	..	..		
Aniline Oil .....	lb. .16	.16	.16	.16	1.40	.10½		
Alpha-naphthylamine .....	lb. .35	.35	.35	.35	1.28	..		
Benzaldehyde .....	lb. .75	.75	.75	.75	..	..		
Betanaphthol .....	lb. .26	.26	.26	.22	1.80	.08		
Dimethylaniline .....	lb. .36	.36	.36	.41	1.80	..		
Paranitroaniline .....	lb. .70	.70	.70	.73	1.58	.18		
Average .....	0.341	0.341	0.341	0.372	..	..		

Further strengthening of the market in benzol, toluol and other light oil distillates has been practically the only development in crudes and coal tar products during the week. The national holiday coming at the close of the week found most of the chemical houses closed for two days. While this probably did not affect the volume of business owing to the limited demand, it added to the already quiet conditions in the market. Some factors are hoping for a return of better business after the Fourth of July, but the opinion prevails that the Summer months will continue quiet with a gradual improvement in the early Fall. The Government figures on the condition of the cotton crop on July 2 were bearish for sellers but gave hope to textile manufacturers who are hoping for low priced cotton in order to keep prices of finished products down. This would mean increased consumption of textiles and consequently increased consumption of colors and textile chemicals. Prices are generally unchanged with an upward tendency in benzol and toluol. Competition is still keen enough to induce a little shading in some items where a good order is in sight, but on the whole the market is maintaining a remarkably steady tone.

#### Crudes

**Benzene**—Further curtailment of production in steel plants is reported for June with the blowing out of twenty blast furnaces and bringing production down to about forty per cent of capacity. This of course means lessened production of light oils from the coke ovens. Supplies of all grades of benzol are becoming more difficult to obtain. But for the light demand for industrial purposes, prices would undoubtedly advance quickly. Motor benzol is in demand and every available gallon is moving into motor fuel. Pure benzol is holding at 24c and 25c per gallon in tanks cars at mills and 30c in drums. Ninety per cent is steady at 23c in tanks, mills, and 28c in drums.

**Cresylic Acid**—Demand has been more or less quiet with prices holding at recent levels. On firm orders for good sized quantities, however, it is admitted that

prices could be shaded. Pale acid is being quoted at 65c@75c per gallon according to seller and quantity. Dark acid is held at 60c per gallon.

**Naphthalene**—The market continues weak owing to the lack of demand and the accumulation of stocks in sellers' hands. No immediate relief is expected from dye manufacturers and the drug trade season is practically over. Prices are generally named at 5½clb. for flakes and 6clb. balls in moderate lots but 5½c can be done for quantity lots. Chipped quoted at 5clb.

**Phenol**—Demand was lacking during the week. Supplies are reported small but in view of the restricted buying, prices holding at recent quotations of 26c@28clb. according to seller and quantity.

**Pyridine**—Little buying is reported at present. While supplies are somewhat limited, prices are soft at \$4.00 @ \$4.10 per gallon, spot. Shipment prices are quoted at \$4.00.

**Solvent Naphtha**—Supplies are becoming more difficult to obtain owing to the curtailed production and the tendency for all light oil distillates to move into motor fuel. Prices are firm at 25c in tanks at mills and 30c in drums.

**Toluene**—The situation is similar to that of benzene, supplies becoming scarce and prices firm. Tanks named at 26c, in drums at 31c, mills.

**Xylenes**—Occasional sales are reported. Prices are quoted as follows: commercial, 26c per gallon in drums and 31c in tanks; 10 degree, 33c@35c in drums; 5 degree, 40c@45c in drums; nitration, 45c@50c in drums.

#### Intermediates

**Acid, Anthranilic**—Quiet on routine demand with prices unchanged at 94clb. for technical and \$1.00lb. for refined.

**Broenner's Acid**—Occasional sales with prices held at \$1.25lb.

**Acid Cleve's**—Unchanged in a quiet market at \$1.00@ \$1.10lb.

**Acid, Gamma**—Generally quoted at \$1.50lb. on slow demand.

**Acid, H**—Buying is limited to actual requirements. Makers continue to quote 72c@75clb.

**Aniline Oil**—Holding steady at 16c@17clb. according to quantity. Buying is quiet and routine. Aniline salt is moving occasionally at 22c@23clb.

**Alpha-naphthylamine**—Occasional sales at 35c@37clb. as to quantity.

**Benzidine**—Holding at 80clb. on slow demand.

**Beta-naphthol**—Sales are mainly in small quantities with makers holding steady at 26clb. Carlots are named at 24clb.

**Dimethylaniline**—Buyers are anticipating lower prices with the recent decline in alcohol. Generally quoted at 35clb.

**Diethylaniline**—Regular routine demand with makers quoting 58c@65clb.

**Ortho-toluidine**—A little activity reported for flotation purposes. Makers holding at 13c@15clb.

**Para-nitraniline**—Generally quoted at 70clb. though occasional sales are reported at 68clb. Demand is limited to moderate quantities.

## Dyestuff Notes

The largest dyestuff production in Japan in 1923 was sulfur color amounting to 8,540,359 kin, which compares with 5,558,815 kin in 1918.

E. L. Watkins & Co., Portland, Me., are erecting a new dyehouse at 1181 Forest ave., two stories 127 by 62 by 36, at a cost of approximately \$50,000.

W. G. Burchfield & Brothers, 315 Kress Building, Houston, Tex., are interested in securing information and prices regarding equipment and materials for a creosoting plant.

National Aniline & Chemical Co., New York, has issued the formulary covering the color card for next Fall. The formulary gives data for matching colors of standard shades as put out by the Textile Color Card Association. Copies are available for use of dyers.

Consumption of colors in Costa Rica amounts to about 15,000 tons annually, of which about 50 per cent are sulfur and the balance is made up of direct and soap dyes, according to Consul Henry S. Waterman, San Jose.

National Ultramarine Co., Cincinnati, has appointed Jayne & Sidebottom, Inc., New York, as sole selling agent and distributor in the following Eastern territory: New York Metropolitan district, part of the State of Connecticut, all of New Jersey, Philadelphia including Pennsylvania as far west as Harrisburg, and parts of Delaware and Maryland.

Standard Color Co., Inc., 43 Purchase st., Boston, agents for United Chemical Corp., New York, announce that they are now ready to take orders for the Alizarine Blue Black B, Schultz 862, which is now being produced by Ultron Chemical Corp. The company claims that this product is as good in every way as the imported article for use in woolen and worsted mills.

The annual statement of the Lowell Dye Works, Lowell, Mass., for the fiscal year ended March 18, 1924, is: Assets: Machinery, \$51,402; furniture, fixtures and tools, \$1,199; autos, trucks and teams, \$2,393; merchandise, \$211,075; accounts receivable, \$57,891; cash, \$7,395; total assets, \$331,355. Liabilities: Common stock, \$120,000; accounts payable, \$137,009; surplus, \$74,346; total liabilities, \$331,355.

The aggregate capitalization for the five chemical, dye and drug companies incorporated in June was \$775,000, which is the lowest since July, 1916, when, according to the statistics compiled by "The Journal of Commerce" the capitalization amounted to \$330,000. The June capitalization compares with \$6,225,000 for the thirteen new companies formed in May, and \$1,900,000 for April, when eight companies were chartered.

The Bureau of Standards, Department of Commerce, has suggested a method of eliminating the variables which enter into laboratory dyeing. It is proposed to dye fiber cut into very short lengths in a closed dye bath equipped with a reflux condenser to maintain the volume constant and an agitator in the bath to give perfect mixing. The dye bath is surrounded by an outer jacket containing a boiling liquid by means of which the temperature is kept constant. The dyeings are compared under standard conditions of illumination.

### CANADIAN COMPANY USES SWISS DYES

Dyestuff requirements in the Province of New Brunswick, Canada, are supplied by the English, American, and Swiss industries. The natural preference is for English dyes, American dyes holding second place and the Swiss, third, according to Vice Consul F. C. Johnson, of Fredericton.

Two dye consuming industries are located in the vicinity of Fredericton. Canadian Cottons (Ltd.), located at Marysville, N. B., uses somewhat less than \$50,000 worth annually. Their principal requirements are colors of the basic, direct, and sulfur groups. The other consumer is Buzzell's Dye Works, where silk, wool, cotton, linen, and piece goods are dyed. Although there is no prejudice against the use of American dyes the Swiss product is used almost exclusively by Buzzell's Dye Works.

### TANNING MATERIALS INQUIRY BEGUN

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 9.—The Tariff Commission is investigating phases of the foreign tanning materials industry in connection with co-operative work which the Commission will do for the Department of Commerce on the calfskin tanning industry.

Just before adjournment the Senate passed a resolution, introduced by Senator Copeland, of New York requesting certain information from the Department of Commerce regarding the calfskin industry. Several of the questions involved in the resolution affect the tariff situation and the department asked the Tariff Commission for help.

### DYES MADE FROM TURPENTINE

Twelve new dyes, including yellow, peach, scarlet, orange, red and wine red colors, have been obtained through research in the utilization of spruce turpentine, customarily thrown away from pulp mill digesters as a waste. Dr. A. S. Wheeler of the department of chemistry of University of North Carolina has been conducting the research. The spruce turpentine is composed largely of cymene which is used in conjunction with bromine and coal tar intermediates to produce the new colors which have been tested and found fast to light. The dyes are suitable for dyeing silk and wool but unsatisfactory for cotton.

### DYERS AND FINISHERS HOLD OUTING

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Boston, July 7.—The National Association of Textile Dyers & Finishers held its first annual outing at Rocky point, Rhode Island, on Saturday, June 21 with 150 members and guests present. In a ball game between the dyers and the finishers for which a cup was donated; the finishers won with 119 runs to their credit.

According to a decree effective June 7, import licenses are required on all coal-tar dyes and distillates, except medicinals, entering Japan from Germany and other countries not having commercial treaties with Japan. Imports from the United States, Great Britain, and France will not require licenses. After two weeks, however, all imports must be accompanied by a certificate of origin, duly certified by the Japanese consul, and the importer must report the amount entered.

Dr. F. E. Breithut, who recently returned from a survey of the European dye industries for the Department of Commerce, will spend July and August visiting dye plants throughout the country to give them first hand information on conditions abroad and their possible effect on the American industry. Dr. Breithut will return as a professor of chemistry to the staff of the College of the City of New York in September.



# The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 131

## OLEO STEARINE AND TALLOW HIGHER

Increasing Export Demand Accounts for Advance—  
Refined Corn Oil Higher—Chinawood Oil Unsettled  
—Bearish Cotton Report Causes Cottonseed Oil Decline—Coconut Oil Continues to Show Strength—  
Holidays Cause Lull in Market

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

**Advanced**  
Corn Oil, refined, bbls.,  $\frac{3}{4}$  c. lb. Greases, choice white, bbls.,  $\frac{3}{4}$  c. lb.  
Cottonseed Oil, crude, mills,  $\frac{3}{4}$  c. lb. Greases, yellow,  $\frac{3}{4}$  c. lb.  
Refined, winter yellow, bbls., Stearine oleo, bbls.,  $\frac{3}{4}$  c. lb.  
 $\frac{3}{4}$  c. lb. Tallow, city extra,  $\frac{3}{4}$  c. lb.

**Declined**  
Cottonseed Oil, P.S.Y.,  $\frac{3}{4}$  c. lb.

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Cod Oil, N.F. .... gal.	\$ .64	\$ .64	\$ .64	\$ .70	\$ 1.26	\$ .36 $\frac{1}{2}$
Degras, American, bbl. lb.	.04 $\frac{3}{4}$	.04 $\frac{3}{4}$	.04 $\frac{3}{4}$	.04 $\frac{3}{4}$	.23	.03 $\frac{1}{2}$
Lard, No. 1 .... gal.	.81	.81	.79	.79	2.90	.92
Menhaden, crd., bbls. gal.	.40	.40	.50	.50	1.20	.33
Neatsfoot, 20 deg. c.t. gal.	1.46	1.46	1.38	1.25	3.45	.95
Red Oil, distilled .... lb.	.09	.09	.09	.09 $\frac{1}{2}$	.17	.07
Stearic Acid, T.P. .... lb.	.13 $\frac{3}{4}$	.13 $\frac{3}{4}$	.13 $\frac{3}{4}$	.14 $\frac{1}{2}$	.53	.12
Coconut, Ceylon, bbls. lb.	.09	.09	.09	.09 $\frac{1}{2}$	.50	.14
Cottonseed, crude, lbs. lb.	.06 $\frac{3}{4}$	.06	.08 $\frac{1}{4}$	.10	.25	.08
Linseed, carlots .... gal.	.96	.96	.94	1.12	1.88	.57
Olive, denatured .... gal.	1.21	1.21	1.21	1.15	4.50	1.05
Peanut, refined .... lb.	.15 $\frac{3}{4}$	.15 $\frac{3}{4}$	.15 $\frac{3}{4}$	.16 $\frac{1}{2}$	.30	.08
Soya Bean, bbls. .... lb.	.12	.12	.12	.12 $\frac{1}{4}$	.10 $\frac{1}{2}$	.07
Average .....	.0477	.0477	.0475	.0484	1.30	.0362

With a great many in the trade away over the holidays last week, the market has been a quiet affair with no outstanding developments of importance. With the resumption of business on Monday, a gradual recovery has been reported including a number of fair sized inquiries but, for the most part, business is continuing along lines which have characterized the market heretofore. The recently improved sentiment and strength in a number of oils is maintained, but demand from the consuming quarters is practically unchanged with the exception of animal oils, where an increasing export interest has caused prices to advance. Sellers are constantly on the alert for new business which, in many cases, necessitates shading of prices. The present show of strength in the domestic market does not by any means, indicate that sellers are gaining the upper hand, as buyers continue to appear indifferent toward offerings, purchasing as they go along. The improvement in sentiment is mainly due to primary causes and to the generally improved outlook for future business. The Argentine seed market has advanced steadily during the week and has given a strong tone to the domestic linseed oil market, although crushers report a very inconspicuous demand from consumers.

### Vegetable Oils

**Castor Oil**—Market has been quiet with the call for oil coming through in a routine way. No. 1 is quoted 16c@16 $\frac{1}{2}$ c. lb. and No. 3, 15 $\frac{1}{2}$ c@16c. lb.

**Chinawood Oil**—A slightly improved sentiment exists in the market although there is no noticeable change in demand from consumers. With the holidays during the week, the market has been a quiet affair and prices are unchanged. Spot oil is quoted 12 $\frac{3}{4}$ c@12 $\frac{3}{4}$ c. lb.

**Coconut Oil**—Continues in fairly steady position both locally and at the Pacific Coast. A temporary lull existed over the week-end but interest has recovered somewhat.

Ceylon is quoted 9c@9 $\frac{1}{4}$ c. lb. in bbls., spot. Manila at the coast is unchanged at 7 $\frac{3}{4}$ c@7 $\frac{1}{2}$ c. lb.

**Corn Oil**—Refined oil has been advanced to 12 $\frac{1}{2}$ c@12 $\frac{3}{4}$ c. lb. in bbls., spot N.Y. Demand during the week has been quiet and crude oil is unchanged at 9c. lb. in tanks at the mills.

**Cottonseed Oil**—Following the cotton report issued last week, prices of P.S.Y. oil on the local exchange declined. The report, showing a marked improvement in cotton crop prospect, was decidedly bearish in effect on oil. Notwithstanding this fact, the market is considered steady with crude oil selling higher at 9 $\frac{1}{4}$ c@9 $\frac{3}{4}$ c. lb. P.S.Y. oil is quoted as follows: July, 10.75@11.00; Aug., 10.75@10.90; Sept., 10.81@10.82; Oct., 10.10@10.11; Nov., 9.21@9.22; Dec., 9.15@9.20.

**Linseed Oil**—With the Argentine seed market in a strong position and prices advancing, the local linseed oil market continues firm and prices are well maintained. All crushers are asking 96c gal. carlots, and 99c gal. less than carlots. With seed and oil supplies light and crushers busy filling contracts, the lack of demand has little effect upon the market. London linseed oil is higher at 40s 9d, and Antwerp, 377f per 100 kilos. Duluth, July, \$2.39 $\frac{1}{4}$ ; Sept., \$2.18 $\frac{1}{4}$ ; Oct., \$2.13 $\frac{1}{2}$ . Winnipeg, July \$2.17 $\frac{3}{4}$ ; Oct., \$1.99 $\frac{1}{2}$ ; Dec., \$1.91. Buenos Aires strong at \$1.85.

**Olive Oil**—There has been no feature of importance during the week and prices are unchanged at recent levels. Denatured is quoted \$1.20@1.22 gal.

**Palm Oil**—Has been quiet during the past week with prices unchanged and demand routine. Niger oil is quoted 7c@7 $\frac{1}{4}$ c. lb. in casks, and Lagos, 7 $\frac{1}{4}$ c@7 $\frac{1}{2}$ c. lb.

**Perilla Oil**—Prices have remained steady throughout the past week with no feature of importance. Quotations of 14 $\frac{1}{4}$ c@14 $\frac{1}{2}$ c. lb. are in effect.

**Rapeseed Oil**—A better interest has been reported with a number of inquiries but the volume of business remains limited to small quantities. Refined oil in bbls., N.Y., is quoted 80c@82c gal.

**Soya Bean Oil**—The advance noted last week has been well maintained although the volume of business during the week has not been large. Crude oil is quoted 10 $\frac{1}{4}$ c. lb. at the coast.

### Animal Oils

**Greases**—With demand steadily growing, producers have advanced the price of white grease to 9 $\frac{3}{4}$ c@10c. lb. with sales noted at 9 $\frac{1}{2}$ c. lb. Yellow grease is quoted higher at 6 $\frac{3}{4}$ c. lb. and brown grease, 6 $\frac{1}{2}$ c. lb.

**Lard Oil**—Price advances noted last week are well maintained in a fairly steady market. Lard oil, edible prime, is quoted 14c. lb. No. 2, is quoted 10 $\frac{1}{4}$ c. lb. in bbls.

**Neatsfoot Oil**—Continues in fair demand with domestic supplies not large. 20 deg. c.t. is quoted 19 $\frac{1}{2}$ c. lb. with extra at 10 $\frac{3}{4}$ c. lb. in bbls. N.Y.

**Oleo Oil**—Producers have advanced the price of No. 2 oil to 10 $\frac{3}{4}$ c@11c. lb., in bbls., N.Y. Demand continues good notwithstanding the lull over the week-end.

**Stearic Acid**—Demand continues fair with prices holding a rather easy position. Single pressed is quoted 10 $\frac{1}{2}$ c@10 $\frac{3}{4}$ c. lb.

**Stearine Oleo**—Further advance has been reported due to an increasing export demand. Quotations of 12c@12 $\frac{1}{4}$ c. lb. are prevailing.



**Fish Oils**

**Cod Oil**—Market has been a quiet affair during the past week with no unusual activity reported. Prices are unchanged with Newfoundland quoted 59c@61c gal., in barrels, N.Y., and 54c@56c gal. in tanks.

**Menhaden Oil**—Reports of fishing in the Chesapeake Bay district indicate a catch of normal proportions but interest in the new crop oil thus far has been only casual. Demand is light with sellers quoting 40c gal. in tanks. Refined oil continues in quiet demand with light strained quoted 59c@60c gal., with extra bleached at 63c@65c gal.

**Sperm Oil**—There has been very little activity in the market during the past week and the call for this oil is confined to more or less routine requirements. 38 deg. c.t. oil is quoted 89c gal., in cooperage, N.Y., and 45 deg. c.t. oil, 84c gal.

**Whale Oil**—A somewhat better inquiry is reported, but activity as a whole remains routine. Natural winter is quoted 77c gal. in cooperage, and bleached, 81c gal.

**Naval Stores**

**Turpentine**—There has been very little activity in the market during the past week and prices for the most part are unchanged at last week's levels. Southern markets are in fairly steady position but with no great demand in evidence. Sellers are quoting 82c@84c gal., ex-yard, N.Y., with Savannah, 77½c gal.

**Rosins**—Have been quiet during the week and no price changes have been reported. Primary markets continue in firm position with slightly better demand shown following the holiday week-end. Prices follow: B, \$5.55; D, \$5.65; E, \$5.75; F, G, H, I, \$5.80; K, \$5.85; M, \$5.90; N, \$6.10; WG, \$6.90; WW, \$7.60.

The shellac market is extremely quiet and closed easier, according to a report from Calcutta, dated June 4, which says "Business has been transacted during the past week at prices ranging from 127 to 135 rupees per maund (one maund equals 82 pounds). Shipments up to date have been 20 cent less than a similar period in 1923."

Agents of the Tariff Commission who are going to China and Japan to study the soya bean phase of the vegetable oil investigation, sailed from Seattle on July 7. The party consists of Dr. Frank R. Rutter, C. H. Penning and E. M. Whitcomb.

G. H. Priest, Jr., formerly with Carpenter-Morton Co., Boston, Mass., has been appointed to the staff of the Chemical Division, Bureau of Foreign and Domestic Commerce, and will have charge of paint and varnish statistics and trade.

Spencer Kellogg & Sons, Inc., in conjunction with the celebration of the 100th anniversary of the establishment of the firm, held a series of salesmen's meetings in Buffalo, last Thursday, Friday and Saturday.

P. R. Roberts is now connected with sales organization of the paint and varnish division of E. I. du Pont de Nemours & Co., as special representative in the Philadelphia district.

J. R. Watson, manufacturer of Watson Fire Retardent Paint, has moved his factory from Eighteenth and Nevins avenue, Richmond, to Sixty-third and Adeline Sts., Berkeley, Cal.

George B. Chase, formerly of the coconut oil department of the Chicago office of Spencer Kellogg & Sons, has joined the sales force of Clarence Morgan & Co., Chicago.

**TURPENTINE PRICES UNCHANGED**

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., July 7.—Turpentine closed firm at 77½c and unchanged from last week's market. Today's additional business has changed the position of the market and more buyers are expected to come in at present prices which are considered low. Export business has been holding up well. The weather has been favorable for making turpentine. Receipts for the week, 3,713 bbls; sales, 1,249 bbls; shipments, 3,745 bbls; stock, 10,280 bbls. Rosin has been active and prices firm with slight advances in some grades. Inquiry has been good and enough business is in sight to maintain present selling levels. Rosin movements are now beginning to hold stocks down. Receipts for week, 10,221 bbls; sales, 7,580 bbls; shipments, 22,482 bbls; stock, 80,510 bbls.

Jacksonville, July 5.—Turpentine closed firm 77½c. Inquiry has been good and indications are that present prices will hold. Rosin closed firm, 321 bbls. being carried over refusing lower bids. Quotations WW, \$6.20; WG, \$5.65; N, \$4.72; M, \$4.55; K, \$4.52; I, H, G, F, \$4.55; E, \$4.50; D, \$4.40; B, \$4.35. Stocks turpentine July 2, 19,907 bbls.

**LINSEED OIL REPORT COMPLETED**

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 9.—The Tariff Commission has before it the completed linseed oil cases for final determination. It was hoped that quick action would be taken on this investigation and a report sent to the President at once, but this, along with several other chemical cases, has been put aside until the Commission completes its work on the sugar tariff case. The Commissioners are hopeful of completing the sugar case within the next two weeks.

**CHINAWOOD OIL PRICES DROP**

Stocks of Chinawood oil in Hankow on June 18 were estimated at 1,006 tons, according to a cablegram received by the Bureau of Foreign and Domestic Commerce from Consul General P. S. Heintzleman. Exports in May were 21,000 barrels, of which 951,000 gallons were shipped to the United States. Prices declined from 21 taels per 133½ lbs. to 17.60 taels on June 11, with indications of a continued weak market.

Margarine manufacturers held their annual convention, recently, at Atlantic City, N. J. Petitions will be presented at next Congress to change the name of "oleomargarine" to "margarine" in regard to the federal laws regulating same. Officers were elected as follows: President, B. S. Pearsall, Elgin, Ill.; vice-president, H. H. Kamsler and W. C. Potter, Chicago; secretary-treasurer, Dr. J. S. Abbott, Washington, D. C.

More than 100 members and guests attended the annual outing of the Paint, Oil and Varnish Club of New York, held Tuesday, June 24, at the Crescent Athletic Club, Bay Ridge, Brooklyn, New York. The afternoon was given over to the athletic games. A dinner and distribution of prizes completed the program.

Turner Manufacturing Co., Valdosta, Ga., is in the market for a quantity of paints and varnishes, to be used in connection with the manufacture of refrigerators. The company is also interested in the purchase of porcelain enamel materials for similar service.

United Color and Pigment Co., Newark, N. J., has appointed Fred L. Brooke, 186 N. LaSalle st., as representative in Chicago.

## Chemicals for Consuming Industries

Heavy Chemicals, page 112, Tan and Dyestuff, page 132, Fatty Oils, page 131

### CHEMICALS MARK TIME AWAITING DEMAND

**Imported Materials Offered More Freely in Some Quarters as Tired Holders Attempt to Unload—General Price Trend Indicates Steadiness—Real Activity Not Expected Till Fall**

The entire chemical market is marking time, waiting for demand to pick up. Except among some of the weaker importers, prices are about stationary, sellers evidently coming to the conclusion that consumers will not buy until they actually need supplies, even at bargain-counter prices. The undertone of firmness, if it may be called such, is evidenced by the refusal of most leading sellers to cut under current bottom prices. Of course, the market contains the usual number of weak and strong items, but considered as a whole, it is steady. The anxiety of a few weaker holders of imported chemicals on spot has brought occasional sacrifice sales as a means of unloading. Some of the care-free importers are believed to have been hard hit in the slump of the past six months. As for real chemical buying, September looks like the time this may start if general conditions improve.

### Agricultural Chemicals

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid Sulfuric, 66°.....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$35.00	\$20.00
Ammonium Sulfate, 100 lbs.	2.50	2.50	2.60	3.20	7.75	2.65
Arsenic .....	.08	.08	.08	.15	.18	.04
Copper Sulfate ....100 lbs.	4.65	4.65	4.65	5.50	20.00	4.50
Paris Green .....	.30	.30	.30	.29	.50	.11
Potash Muriate, 90%...ton	31.00	31.10	31.10	35.55	475.00	39.57
Potash Sulfate, 90%...ton	41.27	41.27	41.27	45.67	440.00	48.07
Phosphate Rock, 68%...ton	2.25	2.25	2.25	3.25	11.00	3.00
Phosphate, Acid, 16%...ton	7.50	7.50	7.50	9.00	21.00	15.00
Sodium Nitrate ....100 lbs.	2.65	2.65	2.60	2.50	5.00	1.90
Average .....	10.617	10.617	10.612	11.957	103.54	13.484

Scarcity of spot stocks of sodium nitrate and a stronger tone in ammoniates are the prominent features in fertilizers. While nitrate supplies are somewhat limited at present, shipments afloat will soon be available and prices for arrival are more attractive than spot quotations where available. Inquiry for ammoniates has accounted for the stronger tone in these products. Calcium arsenate is still an enigma to manufacturers and the outlook is still uncertain.

#### Fertilizers

**Ammoniates**—Dried blood is a scarce item on spot. At Baltimore prices are named at \$3.00@3.10 unit;



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Columbia Chemical Division,  
Pittsburg Plate Glass Co., Barberton, Ohio

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All Tests

# Soda Ash

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## Phosphoric and Formic Acids

Phosphate of Soda  
Epsom Salts  
Ammonium Phosphate  
Oxalic Acid  
Tri-Sodium Phosphate

**BRANCHES:**  
New York  
Nashville  
St. Louis

Chicago is strong at \$3.50. Bone meal is unchanged at \$20.00@\$21.00 ton for ground steamed at Chicago; steamed bone meal at New York, \$24.00 ton. Cyanamide is selling the basis of \$2.00 unit, New York. Fishing is reported better but acid scrap is firm at \$2.85@\$3.00 unit; dried scrap holding at \$3.25@\$3.50. Tankage is higher in Chicago, \$3.25@\$3.50 and spot unchanged, \$2.65@\$2.75.

**Ammonium Sulfate**—Demand is still quiet. Production is slowing up owing to the curtailed operations at the coke ovens. Producers are quoting bulk at \$2.50@\$2.60 at works; single bags, \$2.60@\$2.65; double bags for export, \$2.60@\$2.65, freight allowed to Atlantic ports.

**Sodium Nitrate**—Spot supplies are very scarce and prices are nominal. Demand, however, is light. Supplies afloat for near-by arrival are named at \$2.42½@\$2.50 for July and \$2.42½@\$2.45 for Aug. arrival. Atlantic coast ports are reported bare of stocks at present.

**Acid Phosphate**—Practically no business is reported but prices are holding at recent levels of \$7.50@\$8.00 ton for 16 per cent material.

**Phosphate Rock**—Little interest is reported in the market. Prices are virtually unchanged, though firm business may induce shading. Florida pebble, 68%, named at \$2.25 ton; 70, \$2.50; 75-74%, \$3.75; Tennessee, 72%, \$5.50 ton.

**Potash Salts**—No new developments are reported in the way of price changes. Occasional orders are reported on the following bases: potassium muriate, basis, 80%, \$31.10 ton; potassium sulfate, 90%, \$41.27; double manure salt, 48%, \$23.72; manure salt, 30%, \$15.33; manure salt, 12.4%, \$6.50.

**Sulfuric Acid**—While demand is not active sales are taking place regularly. Producers are naming 60° acid at \$9.00 ton in tanks at works; 66° acid at \$14.00 ton.

**Sulfur**—Shipments are understood to compare favorable with those of last year. Prices are steady with quotations at mines, \$14.00 ton and at Atlantic ports, \$18.00 ton.

**Lime**—Agricultural lime is being maintained at \$10.50@\$12.00 ton according to quantity in bags at mills.

#### Insecticides and Fungicides

**Arsenicals**—Demand for calcium arsenate is still slow and awaiting future developments in the South. Spraying is going on but no acute demand has yet arrived. Sales are being made at 10c@11c/lb, delivered. Arsenic is quiet with occasional sales at 8c@8½c/lb. Paris Green has been in fair demand at 30c/lb; lead arsenate is moving at 18½c@20c/lb for the dry material and 10c@15c/lb for the paste.

**Copper Sulfate**—Copper carbonate is beginning to move in good quantities to the West. Prices are quoted at 16½c/lb; copper sulfate is quiet except for occasional sales and repeat orders. Makers are quoting \$4.60@\$4.75 according to quantity. Imported offered at 4¼c@4½c/lb.

**Miscellaneous**—Bordeaux mixture is held on the basis of 11c@16c/lb according to quantity; formaldehyde is weak at 9c@9½c/lb; para-dichlorobenzene has been moving well at 17c@22c/lb; carbon bisulfide is steady at 6c@6¾c/lb; carbon tetrachloride is under competition at 7c@8c/lb; corrosive sublimate, 98c/lb; nicotine sulfate, routine, \$1.10@\$1.35/lb; lime sulfur moving at 8c@8½c/lb for dry and liquid 15c@16c gallon.

## THE CLEVELAND-CLIFFS IRON CO.

UNION TRUST BUILDING

CLEVELAND, O.

## WOOD TAR PRODUCTS

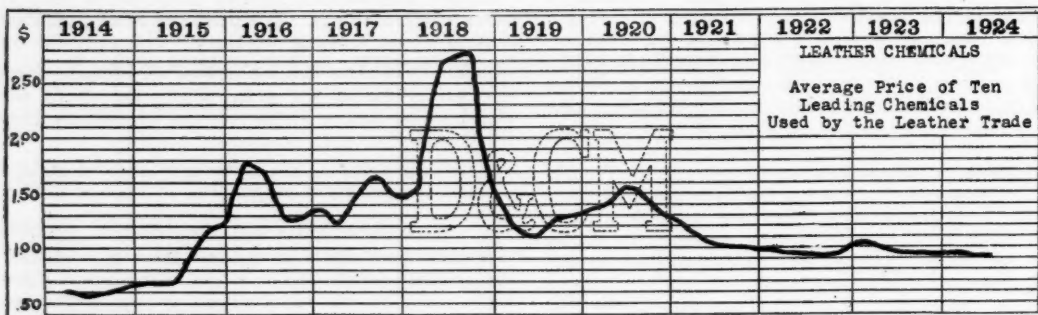
FLOTATION OIL

CREOSOTE OIL

DEODORIZER

PITCH

TAR



### Leather Chemicals

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28% .....	\$3.12	\$3.12	\$3.12	\$3.98	\$17.00	\$1.50
Acid, Formic, 90% .....	.13	.13	.13	.12	1.50	.07
Acid, Lactic, 22% dark....	.05	.05	.06	.04	.07	.02
Potassium Bichromate ....	.09	.09	.09	.10	.65	.06
Epsom Salt, tech. ....	1.80	1.80	1.80	1.85	3.75	1.00
Sodium Prussiate, Imp....	.09	.10	.10	.16	1.25	.18
Soda Ash, 58% wks. ....	1.38	1.38	1.38	1.45	4.10	.69
Sodium Bichromate .....	.07	.07	.07	.07	.45	.04
Sodium Hyposulfite, pea..	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks..	.08	.08	.08	.04	1.04	.03
Average .....	.926	.926	.926	.999	3.267	.528

Leather chemicals have remained practically stationary, both in demand and prices, during the week. Tanners continue to buy only in small quantities for immediate needs.

**Acids**—No changes are reported in acids. Acetic acid

is moving in a routine way at \$3.12@\$3.37 for 28% in barrels at works; 56%, \$5.85@\$6.10; glacial, \$11.01@\$11.76; formic is in regular demand at 12% cfb. for 85% and 13cb. for 90%; lactic acid is unchanged at 5c@5½cb. for 44% dark and 5½c@6cb. for light; 44%, dark, 10½c@11cb. and light, 12½c@13cb.; 20° muriatic is moving at \$1.20@\$1.70 according to quantity in carboys; oxalic is holding at recent low levels of 10c@10½cb.; 66° sulfuric in carboys named at \$1.25@\$1.75; tartaric moving at 27c@30cb.

**Alkalis**—Seasonal dullness has affected alkali shipments which have declined. New business is naturally quiet. Prices for export appear firmer than recently. Makers' prices are unchanged for contracts at \$3.10 for solid caustic in carlots of drums at works; spot business in less than carlots named at \$3.76@\$3.91, delivered; ground and flake, \$4.16@\$4.31; soda ash is holding at \$1.25 in bulk, \$1.38 in bags and \$1.63 in carlots of barrels at works on contract; less than carlot business,

Trade



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## TANNIC ACID

(TECHNICAL)

## TANNIC ACID

(CONCENTRATED)

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metropolitan district delivered, \$2.04@2.19 in bags and \$2.29@2.44 in barrels.

**Bichromates**—Prices are nominally unchanged though firm business may find prices shaded slightly. Sodium bichromate named at 7¼c@7½c/lb. and potassium bichromate, 9¼c@9½c/lb.

**Extracts**—Reports are heard that a "pool" is being formed in South America to manufacture and distribute quebracho. If this takes place, more stability in the marketing of this item can be expected. Annatto is in small demand at the moment at 26c@29c/lb. spot. Gambier is still scarce at 11½c@14c/lb. spot for 25 per cent liquid, and 12½c@13c/lb. for common material. Myrobalans are steady at 4c@5c/lb. spot for 25 per cent liquid, and 5c@5½c/lb. for 50 per cent material.

**Oils**—A lull has taken place in the oil market during the past week which is mostly due to the quieting influence of the holiday period. Demand is quiet but nevertheless, a fairly steady undertone prevails with price advances outnumbering the declines. Animal oils continue strong with advances in oleo oil, no 2, to 10¾c@11c/lb. Cod oil is unchanged at 59c@61c gal. Crude menhaden oil is quoted 40c gal. Extra neat-foot oil is unchanged at 10¾c/lb. Castor oil holds at 16c/lb. for No 3. Linseed oil is in strong position with advances in the Argentine seed market. Less than carlots are quoted 99c gal.

A strike was called last week at the paper and pulp mills of the Parker, Young Co., at Lincoln, New Hampshire. The walkout was staged on July 1 and includes all the union employees which means practically all employees in the mills, but does not affect the men in the woods. Officials of the company declare that they will not meet the demands for an increase in wages. Martin

Brown, general manager of the company returned from Europe, last week, and went to Lincoln to assume charge of the situation.

## Paper Chemicals

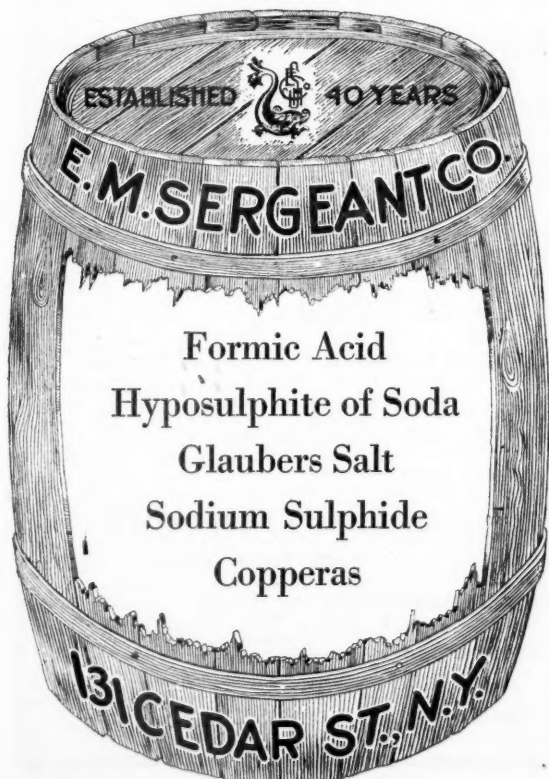
### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate .....	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50
Bleaching Powder .....	1.90	1.90	1.90	1.75	9.50	1.50
Casein .....	.10½	.10½	.10½	.25	.28	.20
China Clay, Dom. ....	10.00	10.00	10.00	15.00	25.00	8.00
Chlorine c/l Cyl. ....	.06½	.06½	.06½	.05½	.30	.08
Salt Cake .....	20.00	20.00	20.00	25.00	80.00	11.00
Sodium Silicate, 40° ..	.80	.80	.80	.95	1.75	2.00
Soda Ash .....	1.38	1.38	1.38	1.48	4.10	.69
Sulfur .....	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade .....	5.80	5.80	5.75	5.95	4.50	20.25
Average .....	6.005	6.005	6.000	7.190	13.30	5.50

Seasonal dullness has affected the market and buying is mainly routine for moderate quantities. Prices have been holding steady at recent levels.

**Alkalis**—Seasonal dullness has affected alkali shipments which have declined. New business is naturally quiet. Prices for export appear firmer than recently. Makers' prices are unchanged for contracts at \$3.10 for solid caustic in carlots of drums at works; spot business in less than carlots named at \$3.76@3.91, delivered; ground and flake, \$4.16@4.31; soda ash is holding at \$1.25 in bulk, \$1.38 in bags and \$1.63 in carlots of barrels at works on contract; less than carlot business, metropolitan district delivered, \$2.04@2.19 in bags and \$2.29@2.44 in barrels.

**Bleaches**—The market has shown no signs of weakening. Makers are holding firmly to their quotations. Bleaching powder is firmly held at \$1.90 for carlots of



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### Hydrosulphites and Sulphoxylates

for the  
Textile Industry

**LYKOPON**—A concentrated Sodium HYDROSULPHITE, for indigo and vat dyeing.

**FORMOPON**—For discharge printing and stripping.

**FORMOPON EXTRA**—For stripping woolen goods and shoddy.

**PROTOLIN**—For stripping woolen goods.

**ALUMINUM CHLORIDE**—Crystals and liquid, for carbonizing woolen stock.

large drums at works; small drums are 25c higher and less than carlots, 15c more. Spot business in small quantities quoted from \$2.35@2.60. Liquid chlorine is holding steady on regular deliveries at 4½c/lb. in tank cars; carlots of cylinders, 5½c/lb.; less than carlots, 6½c/lb. less than ton lots, 7½c/lb.

**Chemicals**—Aluminum sulfate is quiet and unchanged, \$2.25@2.40 for the iron free and \$1.30@1.35 for commercial; salt cake is holding around \$18.00@20.00 ton; sodium silicate is a steady item at 75c in tanks for 40° and 80c@85c in drums; dry sodium bisulfite is held at 4c@4¼c/lb. and liquid, \$1.25@1.75 as to strength; sulfur quoted \$14.00 ton at mines or \$18.00 ton Atlantic ports; talc held at \$14.00@16.00 ton at mines.

**Sizings**—Casein continues at 10½c@11c/lb. on quiet demand. Imports at New York last week were 3,522 bags; rosins have been steady during quiet buying period; quotations; B, \$5.55; D, \$5.65; E, \$5.75; F, G, H, I, \$5.80; K, \$5.85; M, \$5.90; N, \$6.10; WG, \$6.90; WW, \$7.60.

### Rubber Chemicals

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$39	\$39	\$39	\$35	\$45	\$35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.12	.12	.12	.15	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span. ....	.03	.03	.03½	.04	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06	.08	.04
Sulfur .....	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom. ....	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.08	.08	.08½	.07	.08½	.09
Average .....	3.462	3.462	3.464	3.820	5.931	..

Carbon black production will be cut in half in the near future according to report from a leading rubber chemical seller, who has been visiting Louisiana. Since this sort of information has been going through the trade for the past year, some dealers on spot are not inclined to give it much credit. While the amount of gas available for domestic use in Louisiana is not sufficient to take care of the present demand, some curtailment is generally expected, but just when it will happen is rather uncertain. The movement of rubber chemicals this week has been along routine lines only, the larger consumers appear to be waiting until after inventory to take on their regular quantities of chemicals. Two sellers in Germany have advanced their prices on barytes but as yet these changes have not been received on spot.

**Acid Acetic**—Prices are well maintained and quoted as follows: \$3.12@3.37 cwt for 28 per cent; \$5.85@6.10 for 56 per cent; \$7.20@7.45 for 70 per cent; \$8.19@8.44 for 80 per cent commercial; \$9.98@10.23 for 80 per cent, pure; \$11.01@11.75 for glacial.

**Accelerators**—Some fair sized business has been transacted last week. Aniline oil steady at 16c@17c/lb. works, and 17c@18c/lb. spot. Diphenylguanidine is in small demand at the moment at \$1.05@1.15/lb. spot as to seller and quantity. Hexamethylene is active with holders naming 82½c@85c/lb. spot. Litharge is holding at \$10.50@11.00 cwt. as to quantity. Quinoidine is steady at 55c@60c/lb. spot as to quantity. Thiocarbamide is in small demand at 27c@29c/lb. spot.

**Colors and Compounding Materials**—Little activity has been noted in this group during the past week. Aluminum flake is steady at \$23@27 ton works. An-

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small crystals of Yellow Prussiate of Soda and Potash can be produced of equal quality with the large crystals now standard with the trade.

Using the old processes of prussiate manufacture, larger crystals indicated purer quality. But the American Cyanamid Company, by a new process, can supply

## YELLOW PRUSSIATE OF SODA

### Yellow Prussiate of Potash

in the form of both large and small crystals of the highest purity, equal to any grade ever produced.

THE SAVING IN COST, AND THE CONVENIENCE OF HANDLING AND USING SMALL CRYSTALS OF PRUSSIATES, WILL BE EVIDENT TO ALL CONSUMERS.



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timony sulfurette is in small demand at 19c@24clb. spot for golden and 39c@50clb. for crimson. Asbestine holders name \$18@20 ton works. Blanc fixe is dull at 4c@6½clb. f.o.b. New York. Carbon black is firm at 12c@14clb. spot for ordinary in 1c/l, cases; 14c@16clb. for air floated material; and 12c@14clb. for compressed. Works quoted at 9c@9½clb. Lithopone is lower at 6¼c@6½clb. spot. Magnesium carbonate demand is routine only at 8¼c@8¾clb. spot, and calcined 5½c@6clb. Talc buyers appear few at \$16@18 ton works or \$28@30 ton ex-warehouse for domestic; \$40@50 ton for French; and \$60@80 ton for Italian. White barytes firm and active at \$29@34 ton for imported, and \$23@25 ton works. Whiting is also in active demand at \$18@20 ton for imported, and \$13@15 ton for domestic. Zinc oxide is quiet at 8¼c@9clb. spot.

**Solvents**—C.P. acetone steady at 15c@16clb. works in c/l and methyl acetone at 70c@80c gal. as to quantity. Benzene is steady at 23c@25c gal. works in tanks and 28c@30c gal. in drums for 90 per cent material. Pure named at 24c@26c gal. in tanks, and 29c@33c gal. in drums. Carbon bisulfide is in steady demand at 6c@6½clb. spot. Sulfur chloride holders name 5c@6clb. spot for yellow, and 6c@7clb. for red material.

## Textile Chemicals

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid, Acetic, 28% .....	\$3.12	\$3.12	\$3.12	\$3.17	\$17.00	\$1.50
Acid Oxalic .....	.10	.10	.10	.13	.70	.07
Bleaching Powder .....	1.90	1.90	1.90	1.75	9.50	1.50
Copper Sulfate .....	4.70	4.70	4.70	5.60	20.00	4.50
Epsom Salt, U.S.P. ....	2.10	2.10	2.10	2.25	4.25	1.50
Glauber's Salt .....	1.20	1.20	1.30	1.25	2.50	.80
Potash, Caustic, Imp. ....	.06¾	.06¾	.06¾	.07¾	.87	.12
Soda Ash, 58% wks. ....	1.35	1.38	1.38	1.45	4.10	.60
Soda Caustic, 76% wks. ....	3.10	3.10	3.10	3.16	9.50	1.80
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.45	.04¾
Average .....	1.783	1.783	1.783	1.790	4.800	1.42

Another advance of 20c in starches and dextrines has been announced following higher corn quotations. Aside from this, prices are practically unchanged in a quiet, routine market.

**Acids**—No changes are reported in acids. Acetic acid is moving in a routine way at \$3.12@3.37 for 28% in barrels at works; 56%, \$5.85@6.10; glacial, \$11.01@11.76; formic is in regular demand at 12½clb. for 85% and 13clb. for 90%; lactic acid is unchanged at 5c@5½clb. for 44% dark and 5½c@6clb. for light; 44%, dark, 10½c@11clb. and light, 12½c@13clb.; 20° muriatic is moving at \$1.20@1.70 according to quantity in carboys; oxalic is holding at recent low levels of 10c@10½clb.; 66° sulfuric in carboys named at \$1.25@1.75; tartaric moving at 27c@30clb.

**Bleaches**—The market has shown no signs of weakening. Makers are holding firmly to their quotations. Bleaching powder is firmly held at \$1.90 for carlots of large drums at works; small drums are 25c higher and less than carlots, 15c more. Spot business in small quantities quoted from \$2.35@2.60. Liquid chlorine is holding steady on regular deliveries at 4½clb. in tank cars; carlots of cylinders, 5½clb.; less than carlots, 6½clb. less than ton lots, 7½clb.

**Starches and Dextrines**—Strength in the corn situation has again caused manufacturers to advance the price of starches and dextrines 20c per 100 lbs. Demand continues quiet from the textile trades. British gum is now quoted \$4.39@4.54; white corn dextrine, \$4.04@4.14; yellow, \$4.09 in carlots.

## Financial Notes

Joseph Dixon Crucible Co. has declared a quarterly dividend of 2 per cent payable June 30.

Diamond Match Co. has declared a quarterly dividend of 2%, payable Sept. 15 to holders of record Aug. 30.

Judgment for \$320.06 has been filed in New York county against Stewart Dyeing Co., by John Campbell & Co.

Allied Chemical & Dye Corp. has declared a quarterly dividend of 1% on common stock, payable Aug. 1 to stock of record July 15.

Texas Gulf Sulphur Co. has decided to place the stock on a regular \$7 a year basis and to continue extra dividends from time to time.

Archer-Daniels-Midland Co. has declared a quarterly dividend of 1¼% on the preferred stock payable Aug. 1, to stockholders of record July 21.

A judgment obtained in New York County by National Drug Stores, Corp., on Aug. 19, 1922, against Ethel M. Smith for \$1,115.31, has been satisfied.

E. I. du Pont de Nemours & Co. have entered judgment in New York county for \$147.41 against Nathan Rollnick and Benjamin Auker, trading as N. R. Realty Co., Inc.

American Smelting & Refining Co. declared regular quarterly dividends of \$1.25 on the common and \$1.75 on the preferred. Dividend on common is payable August 1 to stock of record July 11, and preferred September 1 to stock of record August 8.

Chas. McAdam Co., Chicago, makers of paints and paint removers, has been petitioned into involuntary bankruptcy by firms holding more than \$7,000 of claims, as follows: Continental Can Co., \$4,449.44; William Cooper & Nephews, \$2,061.80; R. J. Kittredge & Co., \$593.29; and Emery Candle Co., \$471.09.

United States Smelting, Refining & Mining Co. has declared a quarterly dividend of 87½c on the preferred, payable July 15 to stock of record July 7. The consolidated earnings for the first five months of this year, after reserves, amounted to \$1,210,845. The preferred dividend requirements were \$709,260, leaving a surplus of \$501,585, or \$1.43 a share on the 351,115 common shares.

Failures in the United States during June, according to the records of R. G. Dun & Co., totalled 1,607 which is considerably less than for the earlier months this year, but compares with 1,358 reported in June, 1923. For the second quarter of this year, the number, 5,130, contrasts with 5,655 for the first three months of this year and 4,408 for the second quarter of 1923. For the six months of 1924 there were 10,785 business failures, against 9,724 a year ago.

The National City Bank, New York, in its monthly review of the business situation and outlook says: "The slackening of business no doubt is largely due to misgivings that lower prices may be impending, but the change thus far over the entire list is seen to be comparatively small, and as business generally is operating upon small margins of profit important price reductions cannot be made without a general reduction in the prime factor of all costs, which is labor."



# QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending July 5

Bid	Asked	Bid	Asked
*Air Reduction .... 78 1/2	79 1/4	Hercules Powder ... 90	95
*Allied Chem. & D. 74 1/4	74 3/4	Hercules Powd., pf. 102	103 1/4
*Allied Ch. & D., pf. 114	116	Heyden Chem. .... 1	1 1/2
*Am. Ag. Ch. .... 10	10 1/4	Hooker Electro .... 8	15
*Am. Ag. Ch., pf. .... 30 1/4	31 1/4	Hooker Electro, pf. .... 35	45
*Am. Chicel, pf. .... 19 1/4	20	*Household Products 33 1/4	33
*Am. Chicel, pf. .... 65	70	*Int. Agricult. .... 3 1/2	4
*Am. Cyan. .... 98	101	*Int. Agricult. New. 3 1/4	4
*Am. Cyan., pf. .... 72	74	*Int. Agricult., pf. .... 5 1/2	5 3/4
*Am. Druggist S. .... 4	4 1/2	*Int. Nickel .... 15 1/4	16
*Am. Glue .... 35	37	*Int. Nickel, pf. .... 8 1/4	9 1/4
*Am. Glue, pf. .... 104	108	*Int. Salt .... 70	75
*Am. Linseed .... 16	17	*Mathieson Alk. .... 41	43
*Am. Linseed, pf. .... 34	35	*Mathieson Alk., pf. 88	90
*Am. Metal .... 42	43	*MacAnd. & Forbes. 140	146
*Am. Zinc .... 7	8 1/4	MacAndrews &	
*Am. Zinc, pf. .... 25	27	Forbes, pf. .... 98	101
Archer-Dan-Mid .... 16	19	Merck & Co., pf. .... 60	63
Archer-Dan-Mid, pf. 85	86	Merrimac .... 81	85
*Atlas Powder .... 48	50	Mulford Co. .... 22	38
*Atlas Powd., pf. .... 84 1/4	87	*National Lead .... 141 1/4	143
By-Prod. Co. .... 32	35	*National Lead, pf. 112	114
By-Prod. Co., pf. .... 37	40	N. J. Zinc .... 140	142
Canad. Ind. Al. .... 30	32	Niag. A., pf. .... 80	85
Canad. Salt .... 93	98	Parke, Davis & Co. 77	79
Caselin Co. .... 60	70	Penn. Salt .... 81	84
Celluloid Co. .... 46	52	*People's Gas, Chi. 95 1/4	96 1/4
Celluloid Co., pf. 100	105	Procter & Gamble. 108	110
Charcoal Iron .... 1	1 1/4	Procter & Gam., pf. 105	110
Ches. Mfg. .... 40 1/4	40	Royal Bak. Po. .... 126	128
Ches. Mfg., pf. .... 112	115	Royal Bak. Po., pf. 98	100
Clark Co., Fred. .... 3 1/2	4 1/2	Shawinigan .... 130	132
Cleve. Cliffs Iron. 60	65	Sherwin-Williams .. 28	31
*Com'l. Solv. A. .... 50 1/4	57	*Sterling Prod. .... 58 1/2	60
*Do B. .... 48 1/2	49	Swan & Finch .... 40	42
*Corn Products .... 33 1/4	34	*Tenn. C. & Chem. .... 7	7 1/4
*Corn Products, pf. 120	121	*Tex. Gulf, Sul. .... 69 1/4	69 3/4
*Davison Chem. .... 48 1/4	49	Union Carbide .... 57 1/4	58
Dow Chem. non par. 62	64	*Un. Drug .... 78	80 1/2
Dow Ch., pf. .... 94	98	*Un. Drug, 1st pf. 48 1/4	49
Dow Drug Co. .... 130	135	*Un. Dyewood .... 35	40
Dow Drug Co., pf. 108	108	*Un. Dyewood, pf. .... 88	88
*Du Pont de Nem. 126 1/4	127	Un. Gas Imp. .... 73 1/4	77
*Du P't de Nem. Db. 88 1/2	89 1/4	Un. Gas Imp., pf. .... 57	58
*Eastman Kodak .... 107 1/4	108	U. S. Gypsum .... 83 1/4	84
*Eastman Kodak, pf. 111	111	*U. S. Indus. Al. .... 69 1/4	70 1/4
*Freepore Tex. .... 8 1/4	9	*U. S. Indus. Al., pf. 101	103
*Gen'l Asphalt .... 41 1/2	42	*Va.-Car. Ch. .... 1 1/4	2
*Gold Dust .... 33 1/2	36	*Va.-Car. Ch., pf. .... 5 1/2	6
Grasselli .... 120	125	*Y. Vivaudou .... 5 1/2	6
Grasselli, pf. .... 100	105	Will & Baumer .... 12	15

\*Listed on New York Stock Exchange  
Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling) .....	\$4.866	\$4.33
France (franc) .....	.193	.090
Italy (lira) .....	.193	.042
Germany (mark) per hundred .....	23.80	
Czechoslovakia (crown) per hundred .....	23.80	2.92
Poland (mark) per hundred .....	23.80	.0001
Japan (yen) .....	.499	.417
Holland (florin) .....	.402	.377
Spain (peseta) .....	.193	.132
Belgium (franc) .....	.193	.044
Switzerland (franc) .....	.193	.178
Norway (krone) .....	.268	.133
Sweden (krone) .....	.268	.265
Denmark (krone) .....	.268	.158
Argentina (peso) .....	.424	.326
Brazil (milreis) .....	.324	.106
India (rupee) .....	.486	.306
China (Silver dollar-Hongkong) .....	.789	.522
(Tael-Shanghai silver) .....	1.086	.717
(Tael-Peking, silver) .....	1.156	.737

Semet-Solvay Co., Syracuse, N. Y., announces that for each share of the outstanding 8 per cent cumulative preferred stock of Kingston Pocahontas Coal Co., formerly the Solvay Collieries Co., the company will pay \$102, if delivered before Aug. 1.

National Aniline & Chemical Co., New York, reports a profit and loss surplus of \$9,457,551, as of Dec. 31. Current assets were given as \$17,807,305, and current liabilities \$983,748.

Organic Products and Color Co. of New Jersey, has been merged with Apex Chemical Co., New York

Lehn & Fink have filed judgment in New York County against John W. Vaughn for \$147.69.

## New Incorporations

Lehigh Denatured Alcohol Co., New York, \$10,000. Manufacture alcohol products. F. A. Vella, J. E. Paris, J. Paris. Attorney, G. E. Miner, 32 Liberty st.

Chlorine Products Co., New York, \$30,000. Manufacture medicines. A. H. Muller, J. M. Smith. Attorney, O. J. Smith, 1475 Broadway.

G. G. Gill Co., New York, \$10,000. Manufacture textiles. G. G. Gill, B. B. Smith, S. M. Allen. Attorney, Young and Hughes, 2 Rector st.

Coal Tar Dyes, New York, 500 shares preferred stock, \$100 par value, and 500 shares common stock, no par value. Manufacture dyestuffs and chemicals. F. Hollywood, J. Friedman. Attorney, P. J. O'Beirne, 132 Nassau st.

American Waterproofing Corp., New York, \$10,000. Waterproofing textiles. C. W. Taylor, L. B. Ross, S. H. Hall. Attorneys, Konta, Kirschwey & Michael, 150 Broadway.

Turpentine and Rosin Exchange, Wilmington, Del., \$2,000,000. Delaware Charter Co.

Sterling Drug and Chemical Co., Dover, Del., \$1,000,000. Manufacture drugs and chemicals. United States Corporation Co.

Seaboard Feldspar Co., Equitable Bldg., Baltimore, Md., 100 shares preferred stock, \$100 par value, and 100 shares common stock, no par value. Produce feldspar. Joseph P. Rodgers, Gottlieb M. Stengel, Clarendon I. T. Gould.

Pine-O-Sales Chemical Corp., Bayonne, N. J., 2,500 shares common stock, no par value. Manufacture chemicals and chemical by-products. Ernest H. Mayon, Louis Bell, 49 West 22nd st.

Farmington River Paper Corp., Windsor, Conn., \$50,000. Manufacture paper and pulp products. William R. Kent, Robert D. Kent, W. N. Pratt.

Haskin Products Co., Goshen, Ind., \$10,000. Manufacture washing powders and water softeners. F. N. Haskell, C. H. Whittle, O. N. Kinnison.

Kemzone Laboratories, Inc., 68 Evergreen st., Bayonne, N. J., 20,000 shares of stock, no par value. Manufacture chemical products. Albert R. Lindmann, Lester C. Burdett.

O'Donnell Rubber Products Co., Cincinnati, O., \$25,000. Manufacture rubber goods. L. J. Dolle, W. C. Taylor.

Snyder Rubber Co., 160 North Wells st., Chicago, \$100,000. Manufacture rubber products. George G. Haber, Ray L. Smith, Theodore J. Snyder.

Guthrie Cotton Oil Co., Guthrie, Okla., \$200,000. Manufacture cottonseed oil products. C. W. Patterson, A. T. Buenting.

Backman Brothers, Inc., Philadelphia, \$150,000. Manufacture celluloid products. W. J. Backman, Manheim Apartments, Philadelphia.

Pierre Vidvard Cie, Inc., Paterson, N. J., 1,000 shares stock, no par value. Manufacture paints and varnishes. Edgar J. Howarth, Robert B. Howarth, B. Franklin Reinauer, 402 East 37th st.

Cleghorn-Bemis Agricultural Lime Co., Highland, Calif., \$150,000. Manufacture lime products.

Bergeron Baking Co., Peabody, Mass., \$30,000. Manufacture food products. Louis Bergeron, Rochester, N. Y., Ovella D. Sylvestre, Kenneth Ring, Salem, Mass.

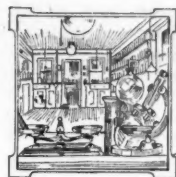
Morin's Laboratories, Inc., Boston, Mass., \$30,000. Chemicals and paints. Herbert D. Foss, Brookline, Richard H. Hussey, Watertown and Charles D. Rice, Cambridge.

Eastern Confection Co., Boston, Mass., \$50,000. Manufacture confectionery and soft drinks. Herbert P. Page, Justin H. Rogers, Boston.

Burlock-Walford Co., Boston, Mass., \$50,000. Medical and surgical supplies. Frank F. B. Chapman, Hollis, N. H., Millis W. Prouty, Braintree, Mass., and Maud C. Tamblin, Sharon.

## DENY ALLIED NOW CONTROLS MATHIESON

Reports that control of Mathieson Alkali Works, New York, had been, or was about to be, acquired by the Allied Chemical & Dye Corp., New York, which were current in the financial district this week, have been denied by Mathieson to a representative of DRUG & CHEMICAL MARKETS. One of the numerous Wall Street "reports" stated that Allied Chemical interests had acquired sufficient stock on the open market under forty dollars per share to place themselves in a strong position in Mathieson's affairs. The recent rise in Mathieson stock on the New York Stock Exchange is pointed to as a result of heavy buying by Allied interests rather than to the bullish stories based on the new chlorine process for petroleum refining. The stories run into complexities, however, when a person in a position to know stated two weeks ago to DRUG & CHEMICAL MARKETS that the recent move in Mathieson stock was engineered by a group of Boston speculators.



# Drug & Fine Chemical

## SECTION



## The 1924 Market in Medicinal Materials

### *Drugs and Essential Oils Drop Back to Levels of 1923 After Early Year Rise*

**M**ANUFACTURERS of pharmaceutical and proprietary preparations, extracts and flavoring materials, and allied groups, all of which consume fine and medicinal chemicals, botanical drugs, and essential oils, are paying to-day just about the same for the bulk of their raw materials as they paid a year ago.

Compared to the first of January this year, however, the average for the three so-called "drug groups" is seven per cent lower to-day. The declines in average prices since the first of 1924 were distributed as follows: essential oils, 12 per cent; crude drugs, 8 per cent; and fine chemicals, practically no change, the average being a trifle lower, but amounting to only a fraction of one per cent.

#### Stable Market in Fine Chemicals

Analysis of the various groups shows that fine and medicinal chemicals presented the most satisfactory market during the first six months from the buyer's point of view. Fluctuations have been over generally narrow areas, except in a few cases such as menthol, mercury, bromides, and one or two others. The market has been a fairly safe one in which to buy, and in which purchases ahead did not meet with losses later. The general stability of the fine chemical group is best illustrated by the close limits within which the average price moved from January to date, at no time going more than three cents above or below the \$1.50 mark. In fact, at no time during the past year has the average price of all fine chemicals fluctuated five cents in either direction from this figure.

#### Bromides and Mercury Spectacular

Among the fine chemicals, price movements have been decidedly mixed, sufficient to offset each other to a great extent, although when compared to other groups, they have been few and devoid of violence. Menthol on July 1 was \$11.00 as compared to \$10.25 at the beginning of the year, after a swift rise and fall. Quicksilver, one of the sensations of the market, opened at \$60.00 and climbed steadily to about \$79.00. This represented the peak, however, for with a cessation of buying, in spite of a 25,000 flask world wide shortage, the price gradually eased down to a level close to \$72.00 on July 1. Cream of tartar has experienced one of the weakest periods in its history this year owing to the offering of a heavy surplus of French production. The price ranged down to 20½¢ from 23¢ during the six months in New York. Caffeine prices have been cut in keen competition by makers.

Cod liver oil, after an early year display of strength turned downward and lost ground steadily for three months owing to the unusually heavy catch of fish this year in Norway. The price on July 1 was \$20.50 bbl. New York against \$25.00 six months ago. During the period, camphor dropped from 86¢ spot to 71¢ lb. Excessive production of citrate of lime and citric acid in

Sicily over the past year and a half, has taken its toll in values this year. Although a higher market was confidently expected this Spring, the price eased downward after an early rise, with American makers in keen competition with importers. The July 1 figure of 46¢ spot, forced by makers here, caused some importers heavy losses. One of the outstanding advances in June was in the bromides which rose from bankruptcy prices both abroad and here, to levels approximating 30¢ spot. This was almost double the prices for imported bromides ruling five or six months ago, and still ten to fifteen cents under pre-war prices.

#### Essential Oil Rise Cut Short

Twice during the first six months of 1924, essential oil prices as a group turned downward. The first time, which was during February, the drop was only temporary and prices turned about and resumed the rise. This climb continued until April, during which month the average started down from the peak of about \$3.32 and by the first of July had reached \$2.92, a loss of roughly twelve per cent. The leaders in the decline included peppermint, sandalwood, bergamot, cloves, wormseed, anise, caraway, cassia, and eucalyptus. Exceptions to the general downward trend of the last two months have been cedarwood, Java citronella, linaloe, bois de rose, spearmint, and one or two others.

For the quarter ending March 31, the essential oil market remained practically unchanged, but at the same time the average price was considerably higher than the average for 1923. The peak was reached in April, which was the highest point reached since April, 1921. From April to the present time, the market has been sliding off, and unless some real activity makes an appearance, further reductions are likely. During the first five months of this year, prices of oils for shipment were fully equal to spot values. Shippers from abroad appeared to be in a strong position financially, and not under any circumstances would they relinquish the upper hand. But, when the expected seasonal demand did not make its appearance, they immediately reduced their prices to such a level as to make offerings interesting for the American importer. But even under these conditions, the importer did not buy heavily for future delivery. The bull movement came to an abrupt end the last of April, when consumers would take on supplies for immediate requirements only. Any broadening out in inquiry will undoubtedly find some real shortages on spot, especially in oils which are still firm for shipment.

High prices asked for Japanese menthol caused a heavy demand for American oil peppermint. The movement of this oil follows closely, the average price variations during the six months in 1924. A number of reports have been received on the firm position of oils geranium, Bourbon and Algerian, but at the present

time the slow demand for spot goods has not allowed prices for these oils to advance equal to their indicated statistical positions. Oil eucalyptus opened the year at a comparatively high price, but since that time, the oil has declined about 20 per cent. The curtailed production of "slats" in the South has caused oil cedar wood to advance to a new high for the year. Holders of oil wormseed have become bearish as the new crop approaches. For the first three months of this year, buying of Java oil citronella was practically nil, but from April forward some large quantities were sold for future delivery, resulting in the shipment price advancing from \$1.08lb. c.i.f. New York to \$1.20lb. The Messina essences have been firm for shipment for the larger part of the past six months, but sellers are constantly appearing on spot, who are willing to sell at near cost, thereby allowing little profit for the importer.

#### Drugs Reach Two Year Peak

The rise in crude drug prices with which 1924 opened was the continuation of an upward swing started last August and September. During January, the average price of botanicals rose from 78c to 80c. During February, the turn came, as buying stopped, and prices started on the downward slide which has continued ever since, although the force of the movement appears to have spent itself during March, April, and May. As it is, prices today are higher than they were a year ago, but only very slightly. A peculiar thing about the current decline in botanicals, is that it marks the first prolonged downward movement in prices in this group since 1921 and was induced by a sudden cessation of consumer buying. The peak in early February represented the highest levels for drug prices since the bottom was reached in July, 1921, and was the culmination of a steady rise in values for two and a half years. The basic underlying factor in drug collections, the labor situation, has not changed a great deal, and apparently precludes a continuation of the decline during the balance of 1924, as some consumers have predicted.

Manufacturers of proprietary medicines have been buying crude drugs only as they have needed them, which accounts to a large extent for the gradual decline in prices since the first of the year. High prices, naturally restrict consumption, and this year has not proven the exception. The continuous sharp competition over the past few months for the available business has resulted in some very low prices, but in some instances, the holders have been able to get their investment out of the transaction. Reports are being received from primary markets, stating rains, droughts, and scarcity of labor, have cut down gatherings, but in the end, the consumer does not buy, one pound is as good as a ton. Interest in the crude drug market has been sustained for the past six months by the constant appearance of individual spot scarcities. The best sellers, however, have been plentiful, stocks of the odd items being the ones that the dealers allow to become low, and which have supplied most scarcities.

Buyers have paid little attention to cascara sagrada all Spring, but within the past two weeks, some large sales have been reported. With a slowing down in the lumber business on the Coast, labor is more plentiful, and much heavier gatherings are generally expected where present prices allow a sufficient profit to attract labor. Some heavy buying of gentian root has been noted within the past three months. Dealers were glad to get rid of their stocks, since they have been carrying them for a long time. Some houses have discontinued importing arabic amber sorts, saying that the margin has been so small that it was not worth the time and trouble. The trade is interested in the new company, which will buy insect flowers on a large scale.

Reports are heard that the statistical position of the flowers is not warranted by present prices, and that the only reason the price does not break is, all offerings are absorbed as soon as they are made, and the buyer does not allow the goods to pass into consumption.

#### NEED PERMIT FOR NARCOTIC EXPORTS

Col. L. G. Nutt, of the Federal Narcotic Control Board, writes to W. F. McConnell, of the N. Y. Board of Trade and Transportation, in reply to an inquiry concerning the exportation of preparations containing narcotics, that it is not permissible to export them without making application for a permit. Col. Nutt says:

"Preparations containing narcotic drugs in any quantity even though exempt from stamp tax under the Harrison Narcotic Law, as amended, are subject to all the requirements under the provisions of the Narcotics Drugs Import and Export Act concerning their importation and exportation. It will, accordingly, be necessary for the exporter to file an application for each proposed shipment of such preparations to any person or firm located in any foreign country in the same manner as required for preparations taxable under the internal revenue law."

#### BELGIANS BUY MEDICINALS FREELY

Patent medicines are in good demand in Belgium. It is estimated that from 25,000,000 to 30,000,000 francs worth are sold annually. Blood purifiers, liver and stomach pills, cough, asthma, and rheumatism medicines, and tonics are the medicines mostly in demand, according to Assistant Trade Commissioner Leigh W. Hunt, Brussels.

The local production of pharmaceutical products is of very little importance and may be estimated at a maximum of 4,000,000 francs worth annually. While the Belgian statistics do not classify prepared medicines separately the importation is estimated to be from 20,000,000 to 25,000,000 francs worth annually. The principal sources of supply are France, United States, Germany and Great Britain.

A list of importers and wholesalers of pharmaceutical products in Belgium can be obtained by application to the Commercial Intelligence Division, Bureau of Foreign and Domestic Commerce, Washington, D. C.

Formulae for denaturing alcohol in Cuba have been altered, according to a decree signed on June 5, and information in regard to the new formulae may be obtained from Chemical Division, Bureau of Foreign and Domestic Commerce, Washington, D. C. Present stocks of alcohol denatured with naphthalene and formaldehyde will have to be denatured again to conform with the changes.

Colgate & Co., Jersey City, N. J., are now showing their 1924 Christmas gift packages for the trade. Three which are now ready include combinations under the names of "Orchis", "Piquante", and "Floriant Petite Combination".

Production of alcohol in Poland during 1923 was 881,500 hectoliters compared with 598,100 hectoliters in 1922, says L. J. Cochrane, clerk to the Trade Commissioner, Warsaw.

Michelson Co., New York, have reduced prices for their bay rum and now quote 6 oz. bottles at \$4.50; 12 oz. at \$6.00; and 24 oz. bottles at \$11.00 per dozen.

Antonio Cortese e Hijos, Calle Latore 532, Antofagasta, Chile, importer, is interested in American chemicals, drugs and kindred products.



# HOW TO RECOVER FOR STOLEN SPIRITS

(Special to Drug & Chemical Markets)

Washington, D. C. July 9.—Commissioner of Internal Revenue Blair is forwarding to collectors throughout the country the following announcement in connection with losses of distilled spirits by theft and other unavoidable causes. He says: The following rules are held to apply to claims filed under Section 14, Title III of the National Prohibition Act, and Section 5 of the Act of November 23, 1921:

1. Section 14, Title III of the National Prohibition Act includes losses by theft if it is made clearly and convincingly to appear that the theft did not result from the negligence of the claimant, and was committed without his knowledge, acquiescence or collusion.

2. The words "such loss" occurring in both of the above mentioned sections of law, relate to and mean the loss of the spirits and not the loss of tax.

3. Claims filed under either of the above mentioned sections of law must set out, or must be accompanied by affidavits setting out, the following information: (a) whether the spirits involved had been sold by the claimant, and if so, what amount was received as a sale price or which may be so received; (b) whether the claimant has been reimbursed for the loss of the spirits from any source, and if so, to what extent; (c) whether the claimant is protected from the loss of the spirits by a bond, policy of insurance, liability of carrier, or other legal remedy under which the value of the spirits lost, or any part thereof, may be recovered.

4. Allowance may be made for losses of distilled spirits under Section 5 of the Act of November 23, 1921 and alcohol under Section 14, Title III of the Act of October 28, 1919, only when such losses were sustained subsequent to October 28, 1919. Claims for allowance on account of losses on or before that date must be made under statutes in force at the time the losses occurred.

5. Claims heretofore allowed under Section 5 of the Act of November 23, 1921, and Section 14, Title III of the National Prohibition Act, in accordance with rulings not consistent with those stated herein will be reopened and reconsidered and assessments made accordingly, provided the assessment is not barred by statute, in which event recovery of the taxes must be by suit.

The foreign demand for American crude drugs and for medicinal and pharmaceutical preparations increased during May, 1924, when \$170,167 worth (479,736 pounds) of crude drugs and \$1,751,503 worth of medicinals were exported. The amount of medicinal and pharmaceutical preparations was higher than for any other month throughout the years 1922 and 1923 except June, 1923. The "all other medicinal and pharmaceutical preparations" class made up chiefly of proprietary goods, comprised 83 per cent of this group.

Mallinckrodt Chemical Works, St. Louis, has mailed a July price-list to the trade. Advances in boric acid, exalic acid, phosphoric acid, bromides, and bromoform are given, and declines in acetone, cresylic acid, aloin, ammonium acetate, caffeine alkaloid, and silver nitrate.

Powers-Weightman-Rosengarten Co., Philadelphia, has issued a July price-list. Advances in acetone, bromine, and potassium ferricyanide are given, and declines in eucalyptol, glycerin, menthol, oil cloves, and strychnine.

Franklin Morris, a chemist of Crockett, Cal., was married at Sacramento, Cal. on June 23 to Miss Ella Arline Michael.

# ALCOHOL RULING CAUSES FRICTION

Drug Associations Advise "H" Permittees to Ignore Stipulation Recently Issued

(Special to Drug & Chemical Markets)

Washington, D. C., July 9.—Another stir was caused in the drug and allied industries, last week, when the Prohibition Commissioner sent out another alcohol stipulation, this time to "H" permittees, which covers non-beverage alcohol permits. This stipulation is similar to the one sent out the previous week to industrial alcohol users, as already announced.

Drug associations are advising members to ignore the Commissioner's letter transmitting the stipulation. On the other hand Judge Britt of the Prohibition Unit contends that the receipt of the letter with the stipulation makes it a part of the permit. This is contradicted by counsel for the drug associations who hold that the stipulation is illegal.

The Commissioner's letter is as follows:

Treasury Department  
Bureau of Internal Revenue  
Washington

Sir:

The following stipulation is, and will be held to be, a part of your permit (here will appear your permit number), dated (here will appear the date of your permit):

This permit is given upon the condition, and with the understanding, that where the articles the manufacture of which it authorizes are sold to a jobber or to a wholesaler, such jobber or wholesaler must at all times be required by the manufacturer to hold such articles subject to the full and uninterrupted inspection of any Internal Revenue or Prohibition officer, or to the inspection of a State officer, as provided in Section 34 of the National Prohibition Act, and such jobbers or wholesalers shall at all times, when required by such officers, submit a report of the quantity of such articles received, the amount on hand, and the manner of disposition thereof, and any failure by such jobber or wholesaler to permit such inspection, or to submit such report, will be deemed ground for citation for revocation, and you will, therefore, exact these requirements from all persons to whom such articles are sold as indicated.

You will make immediate acknowledgement of this notice.

R. A. HAYNES,  
Prohibition Commissioner.

The National Wholesale Druggists' Association has sent a letter to members, saying:

"There is nothing in the character of permits for the use of non-beverage alcohol that differentiates them in any respect from permits to use specially denatured alcohol so far as this proposed stipulation is concerned. Members of The National Wholesale Druggists' Association are, therefore, advised that the regulation as to this stipulation respecting the use of non-beverage alcohol is wholly without foundation in the law or regulations, and it is therefore recommended to members not only to refrain from carrying out the provisions thereof, but also to omit acknowledging its receipt.

"The alcohol trades are practically a unit in their attitude with regard to this matter, and if at any time officials of the Prohibition Unit should seek to enforce the stipulation in question a united front will be made in the defense of a case to test the validity of the Government's action."

## The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 112

### IMPORTED BROMIDES ADVANCE SHARPLY

Ammonium Quoted at 30clb., and Sodium 33clb.—Saccharin Firm and Active—Cod Liver Oil Lower—Salicylic Acid in Demand For Export—Menthol Easier—Mercury Steady—Tartaric Acid Dull—Podo-  
phyllin Easy

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

**Advanced**  
Bromides, Imp., Ammonium, 3c lb.  
Sodium, 2c lb.  
Chrysarobin, 25c lb.

**Declined**  
Camphor, Japanese slabs, 1c lb.  
Cod Liver Oil, Norwegian, 50c bbl.  
Menthol, Imp., 25c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acetanilid .....	\$.32	\$.32	\$.32	\$.32	\$2.00	\$.20
Acid Citric, Import .....	.47	.47	.47	.52	1.25	.45
Caffeine Alkaloid .....	3.50	3.50	3.65	3.75	18.00	3.65
Calomel, American .....	1.22	1.22	1.22	1.25	3.43	.90
Camphor, Jap., ref. ....	.71	.72	.73	.88	3.55	.41
Iodine, Resublimed .....	4.40	4.40	4.40	4.55	5.00	3.75
Menthol .....	10.75	11.25	12.00	10.00	13.50	3.00
Potassium Bromide, Cryst. ....	.38	.38	.33	.26	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.47	4.25	.27
Strychnine Sulfate .....	.41½	.41½	.63	.84	2.05	.50
Average .....	2.11	2.16	2.24	1.99	5.92	1.56

Imported bromides have been in active demand during the past week. Some buying for shipment has been noted, but the tendency has been toward commitments, since the big season for bromides is drawing to a close. While no large sales of fine and medicinal chemicals have been reported, the general undertone can be said to be stronger, and the trade is looking forward to some real buying later in the month. Weakness in prices of imported chemicals appears to be less pronounced than a year ago, when some large lots were received on spot after the actual consuming season was over. Limited forward buying in cod liver oil has been reported, but spot prices have yielded to pressure and are now quoted lower at \$20.50bbl. Domestic makers of potash permanganate are meeting prices in competition from imported material. Domestic citric acid is now quoted lower than the imported material, which is named at 31clb. c.i.f. New York, or 48clb. duty paid.

**Acetanilid**—Makers report a quiet market in this item at 30c@32clb. spot, and resellers name 30c@31clb.

**Acetphenetidin**—Quoted steady at \$1.85@\$1.90lb. spot as to quantity.

**Acid, Acetylsalicylic**—Little business reported last week. Quoted at 75c@85clb. spot as to seller, and 70c@71clb. from resale quarters.

**Acid, Benzoic**—In small demand at the moment with holders naming 75c@85clb. spot from makers, and 72c@75clb. by resellers.

**Acid, Citric**—Imported material steady at 47c@48c lb. spot with shipment inside at 31clb. c.i.f. New York. The second reduction by the domestic makers has brought the domestic product below the price of imported goods, the first time this has occurred for over a year and a half. Since the domestic makers supply the consumers of the United States with about 90 per cent of their requirements, the price of the imported goods does not play a very important part in

making a market. Domestic named at 46c@47clb. spot as to quantity.

**Acid, Diethylbarbituric**—In small demand at \$10.@ \$12.00lb. spot for domestic made material, and \$3.75@ \$4.00lb. for imported.

**Acid, Phosphoric**—Market firm and active at 16c@ 17clb. spot for domestic. No supplies of imported reported available.

**Acid, Salicylic**—In fair demand for export, but if some of the pending orders come through, spot market would undoubtedly show firmness. Quoted at 35c lb. spot, and resale material 33c@34clb.

**Acid, Tartaric**—Imported quoted easy at 27c@28clb. spot as to quantity with prompt shipment named at 21clb. c.i.f. New York. Demand in this market dull with a tendency for accumulation in first hands. Domestic quoted easy at 30clb.

**Alcohol**—Makers report fair demand at schedule prices. Some cutting in prices has been noted, but the largest producers continue to maintain levels. Quoted at 44½c@46½c gal. spot for No. 5 completely denatured in drums, and 45½c@47½c gal for No. 1 specially denatured in drums.

**Aloin**—Market steady at 82½c@85clb. spot; some houses inside at 85clb.

**Amidopyrine**—First hands still name \$4.35@\$4.50lb. spot for imported, and \$4.60lb. for domestic made material.

**Antipyrine**—In small demand at \$2.10@\$2.20lb. spot as to seller and quantity.

**Bay Rum**—Demand routine only at \$1.20@\$1.25 gal. spot for St. Thomas material, and \$1.25@\$1.35 gal. for Porto Rican goods.

**Bismuth Subnitrate**—Some fair sales reported at \$2.90lb. spot by makers. Resellers also name \$2.90lb.

**Bromides**—Imported ammonium has advanced and now quoted at 30c@32clb. spot; potassium, 24c@26c lb.; and sodium, 34c@36clb. Domestic makers firm at 44c@45clb. spot for ammonium; 38c@39clb. potassium; and 38c@39clb., sodium.

**Caffeine**—Alkaloid steady at \$3.50@\$3.75lb. spot from first hands, and \$3.45@\$3.50lb. from resale quarters.

**Camphor**—Japanese 2½lb. slabs have declined again and now quoted at 71c@73clb. spot as to seller and quantity owing to slow demand and an easier market in Japan. Domestic, 88clb. in bulk.

**Castor Oil**—Some active business reported at 16c@ 17clb. spot as to quantity.

**Chrysarobin**—Quoted higher at \$4.50@\$5.00lb. spot as to quantity.

**Cod Liver Oil**—Norwegian has declined and now quoted at \$20.50@\$22.00bbl. spot as to quantity and seller with shipment fully equal to present prices. Although the catch has been large compared with last year, some large lots have been taken off the market by passing into industrial consumption.

**Cream Tartar**—Imported quoted easy at 20½c@20- ¾clb. spot, and domestic 21¼c@21½clb.

**Creosote Carbonate**—In small demand at \$1.70@ \$1.80lb. spot.

**Formaldehyde**—Makers name 9c@9½clb. works in c/l, and easy thereat owing to the recent weakening in methanol. Carboys, 10c@10½clb.

**Fusel Oil**—Refined easy at \$2.75@3.25 gal. spot, and crude \$1.85@2.00 gal.

**Glycerin**—Market for C.P. remains firm at 16½c@18½clb. spot as to quantity, but actual sales have been restricted to routine demands. Dynamite quoted at 16c@16½clb.

**Hexamethylene**—Imported quoted in active demand at 65c@67clb. spot, and domestic 75c@77½clb.

**Hydroquinone**—Quoted steady at \$1.40@1.60lb. spot as to seller and quantity.

**Menthol**—Has declined again and now quoted at \$10.75@11.00lb. spot for imported with Aug.-Sept. shipment named at \$9.25lb. c.i.f. New York. Demand slow, and the trade expects little business during the next two months. Domestic, \$11.00@11.25lb.

**Mercury**—Dull with holders naming \$73.00@74.00 flask as to seller and quantity. No price movements are expected until consumers show some interest.

**Methanol**—Quoted easy at 75cgal. works for pure acetone free in tanks.

**Podophyllin**—Market easy at \$5.75@6.00lb. spot by makers, and resellers at \$5.65@5.70lb.

**Potash Permanganate**—Steady at 14c@14¾clb. works, for domestic, and 14c@15clb. for imported.

**Saccharin**—In active demand at \$1.90@2.10lb. spot as to quantity.

#### W. J. BUSH & CO. HAVE PROSPEROUS YEAR

J. Mortimer Bush, chairman of W. J. Bush & Co., London, told the stockholders at the annual meeting in June that business conditions had been similar to those in 1922. Their turnover was practically the same, and the moderate increase in the net profit was due to the reversion to their pre-war rate of depreciation on plant and machinery. During the war period the rate was increased to meet the abnormal depreciation which occurred through working at full pressure night and day and under conditions which did not permit of doing repairs at an early stage. These conditions no longer existed and their plant and machinery to-day were in better order than for many years past. The maintenance of their profit was due in a large measure to the improved efficiency of the processes in their fine chemical department and the working economies in their various factories.

The fine chemical department was greatly extended during the war period, Mr. Bush said, and had since been fostered under the protection afforded by the Safeguarding of Industries Act. This Act would expire in September, 1926, when, unless extended for a further period, they would be exposed to world-wide competition. In view of the low rate of wages now being paid on the Continent, and the depreciated currencies existing in competing countries, this would be a serious matter, and they might even be forced to discontinue the manufacture of some of their products. In that event, not only would the costly plant which had been erected with so much skill be scrapped, but a number of men would be thrown out of employment.

A final dividend was declared of 7 per cent. on the ordinary shares, making a total of 10 per cent. for the year.

Robert H. Bradley, president of Walding, Kinnan & Marvin Co., Toledo, O., wholesale druggists, died June 28 from a cardiac disease. He was sixty-nine years old.

#### NEW YORK BUYS ALL LONDON BROMIDES

**Heavy Fall in Menthol Prices Due to Forced Sales of New Arrivals at Hamburg—Morphine Lower—Decline in Quotations for Chamomiles, Acetone and Potassium Prussiate**

(Special Cable to DRUG & CHEMICAL MARKETS)

London, July 9.—Drug and chemical products are more active. Menthol is lower on forced sales of new lots just received at Hamburg. Extensive buying orders from New York and Hamburg have cleared out all London available bromides. Morphine has been reduced one shilling by makers. Codeine has been cut one shilling three pence in sympathy. The outlook for a good opium crop is more favorable. Lower prices are quoted on chamomiles, acetone and prussiate of potash.

London, July 1. (By Mail)—Castor Oil English medicinal quality has been advanced in Hull by £1 per ton.

**Bromides**—The advance in the United States has so far not affected the market, but there are indications of a better tendency especially for potassium crystals which are held at 8½d per lb.

**Cascara sagrada** at the lower level has attracted buyers and a fair quantity has been sold for shipment at about 90s c.i.f. Spot stocks which are getting light, are practically out of the running at the moment at 175s for matured bark.

**Hydrastis** is dearer at 17s6d and closes very firm. Chloral hydrate is more enquired after and is firmer at 3s8d per lb. duty paid.

**Camphor**—Japan slabs are offered at 2s11d per lb. being somewhat cheaper.

**Menthol**—In the absence of demand, and further supplies having been received, the market has a sagging tendency and this applies equally to mint oil, Japanese, owing to the effect of the recent Hamburg speculation, which is still felt, and buyers are holding off.

**Acetone** is again in good demand and spot stocks are limited at £100 per ton, which is higher.

**Oxalic acid** is weak and the lower price of 4d per lb. is now quoted in several places.

**Carbolic acid crystals** have been further reduced in price without business of importance developing and salicylates, in sympathy, have an easier tendency.

**Vanillin** is again dearer at 25s6d.

The crop of cacao beans in the Bahia consular district for 1923-24 was the largest ever produced in the district, official statistics placing the output at 1,103,850 bags of 60 kilos each (1 kilo equals 2.2 pounds), says Consul Homer Brett, Bahia, in a report to the Department of Commerce. The crop was sold at the lowest price in gold ever known. In spite of the heavy burden of State export taxes the production of cacao is increasing. A statement made recently by an authoritative source places the number of cacao bearing trees in Bahia at 97,500,000, while an additional 5,800,000 trees are approaching the production stage.

Narcotics valued at \$1,500,000 were destroyed in the big furnace of the Appraiser's Building, San Francisco, late in June, including 15,000 tins of smoking opium, raw opium, cocaine, heroin and codein, with an average value of \$100 a tin.

Merck & Co., New York, have issued their July price-list, in which they give advances in acid phosphoric, aluminum acetate, bromides, and chrysarobin; and declines in aloin, caffeine, menthol, strychnine and vanillin.



## The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 133

### DANDELION ROOT SCARCE AND FIRM

Held at 34c/lb. Spot—Cascara Sagrada, 1924 Peel, Offered On Spot—Celery Seed Higher—Gentian Root Cut—Insect Powder Lower—Mandrake Root Easier—Mexican Sarsaparilla Root Firm

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Celery Seed, 4c lb.	Condurango Bark, 5c lb.
Colchicum Seed, 1/2c lb.	Dandelion Root, 2c lb.
Elm Bark, Select, 1c lb.	
Declined	
Aloes, Socotrine, 2c lb.	Clover Tops, 1c lb.
Balsam, Tolu, 15c lb.	Gentian Root, 1/2c lb.
Belladonna Leaves, 1c lb.	Henbane Leaves, 2c lb.
Blackhaw Bark, Root, 2c lb.	Insect Powder, 1c lb.
Cascara Sagrada, 1923 Peel, 2c lb.	Lobelia Herb, 1c lb.
Cinchona Bark, Broken, 2c lb.	Mandrake Root, 1c lb.
Sassafras Bark, Select, 1c lb.	

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Aconite Root, U.S.P. ....	.39	.39	.39	.38	.50	.12
Buchu Leaves, Short. ....	.76	.76	.76	.90	4.00	.85
Cantharides, Russian ....	.90	.90	.90	1.75	9.00	2.10
Cocculus Indicus ....	.08	.08	.08	.09 1/2	.85	.03
Ergot, Spanish ....	.30	.30	.31	.51	4.50	.54
Insect Powder, pure ....	.62	.63	.63	.60	1.00	.28
Ipecac, Cartagena, powd. ....	2.10	2.10	2.10	1.90	4.50	1.33
Nux Vomica ....	.05	.05	.05	.06 1/2	.14 1/2	.07
Opium, gum ....	9.00	9.00	9.00	8.00	30.00	5.00
Rhubarb Root, H. D. ....	.30	.30	.30	.43	1.75	.15
Tragacanth, No. 1, ribbon. ....	1.20	1.20	1.20	1.52	6.00	1.50
Wild Cherry Bk., thin nat. ....	.09 1/2	.09 1/2	.11	.10 1/2	.21	.07
Average .....	1.52	1.32	1.32	1.36	5.28	1.00

Spot holders of crude drugs appear anxious to dispose of their stocks before the arrival of new crop material, which in most cases is reported to be more ample than last year. Mail orders over the holiday were fairly heavy, but individually restricted mostly to small lots. The general trade is not expecting any great flurry in buying during the next two months. However, several sellers think that the present crude drug market is at its low mark, and now is the time to buy. This may be true, but the buyer wants to see a prospective outlet for his goods before he is willing to buy too far ahead. No doubt, bargains can be picked up, and some of the sharpest buyers are taking advantage of the present dull market conditions.

**Aconite Root**—Holders naming 39c@41c/lb. spot as to quantity, and leaves at 10c@12c/lb.

**Agar Agar**—Little business reported at the moment with No. 1 Kobe material named at \$1.50@\$1.53/lb. spot, and No. 3 at \$1.25/lb. Shipment remains unchanged over last week.

**Agaric**—White in small demand at \$2.45@\$2.50/lb. spot as to quantity.

**Aletris Root**—Steady at 48c@50c/lb. spot.

**Aloes**—Curacao steady at 8c@8 1/2c/lb. spot as to quantity with some large business being put through at 7 1/2c lb. ex-dock. Socotrine quoted lower at 30c@32c/lb. spot. Cape, 8c@8 1/2c/lb.

**Ammoniac Gum**—Quoted steady at 68c@73c/lb. with some holders naming much higher figures.

**Anise Seed**—Spanish quoted steady at 14 1/2c@15c/lb. spot as to quantity, and Star named at 13c@14c/lb.

**Arabic Gum**—Amber sorts in small demand at the moment at 11 1/2c@12c/lb. spot with replacement nearly equal these values.

**Arrowroot**—American powdered steady at 10 1/2c@11c

lb. spot, and St. Vincent named at 13c@14c/lb. for powdered.

**Asafoetida**—U.S.P. goods named at 18c@20c/lb. spot and powdered at 35c@37c/lb.

**Balsams**—Tolu lower in spite of the small amount of spot stocks. Named at \$1.70@\$1.75/lb. spot as to quantity. Oregon Fir quiet at \$1.20@\$1.30 gal. spot with replacements far below these figures.

**Belladonna Leaves**—Have declined and now quoted at 23c@25c/lb. spot as to seller with some holders inside at 24c/lb. Root named at 11c@12c/lb.

**Blackhaw Bark**—Root steady at 37c@39c/lb. and tree slightly easier at 17c@19c/lb.

**Blueflag Root**—Some supplies are available at the moment at 30c@32c/lb. spot as to quantity. Stocks, however, are not extensive.

**Buchu Leaves**—Bales on spot range from 76c@85c/lb. as to seller with some of the leading holders in between these two figures. Less than bales named at 82c@91c/lb.

**Cantharides**—Chinese in small demand at 90c@95c/lb. spot for whole, and \$1.05@\$1.10/lb. for powdered. Russian quoted at same prices as Chinese material.

**Caraway Seed**—Spot market quiet at 17c@17 1/2c/lb. for Dutch goods, and 17c@17 1/2c/lb. for African.

**Cascara Sagrada**—Has declined on spot and now quoted at 27c@28c/lb. for 1923 peel, and 29c@30c/lb. for 1920-22 bark. "Some 1924 peel is offered on spot at 27c/lb. but no doubt, this figure will ease off. The new peel is demanding a premium at the present time. Shipment ranges from 12c/lb. up for c/l f.a.s.

**Celery Seed**—Market has reacted upward and is now quoted at 32c@33c/lb. spot as to quantity.

**Chamomile Flowers**—Hungarian dull at 7c@7 1/2c/lb. spot and Roman at 63c@68c/lb. with the possibility of much lower prices owing to easier replacement values.

**Cinchona Bark**—Broken lower at 21c@23c/lb. spot, and red quills 48c@50c/lb.

**Colchicum Seed**—Has advanced and now quoted at 8 1/2c@9c/lb. spot, and root at 7c@8c/lb.

**Colocynth Pulp**—Lower at 25c@27c/lb. spot, and apples also at 25c/lb.

**Condurango Bark**—Has advanced and now named at 40c@43c/lb. spot.

**Cowhage**—Has declined owing to keen competition and now offered at 50c oz. spot.

**Dandelion Root**—Market quoted higher due to scarcity and now best price obtainable is 34c@35c/lb. spot. Stocks are closely held.

**Deer Tongue Leaves**—Quoted at 13 1/2c@14 1/2c/lb. spot and active thereat.

**Elm Bark**—Select in bundles has advanced and now quoted at 26c@27c/lb. spot as to quantity. Largest holder is inside at these figures.

**Gentian Root**—Lower at 8 1/2c@9c/lb. spot as to quantity.

**Helonias Root**—Has declined again and now quoted at 70c@73c/lb. for powdered.

**Henbane Leaves**—U.S.P. goods lower at 28c@32c/lb. spot.

**Insect Powder**—Has declined and now quoted as to

seller at 62c@65c lb. spot with shipment named inside at 35c lb. c.i.f. New York for new crop flowers.

**Lobelia Herb**—Quoted at 33c@36c lb. spot as to quantity.

**Mandrake Root**—Lower prices in country has resulted in a weaker spot market at 16c@18c lb.

**Prickly Ash Bark**—Southern in small supply at 32c@34c lb. spot.

**Saffron Flowers**—Spanish quoted at \$38@39 lb. spot, and American in active demand at 78c@82c lb. as to seller and quantity.

**Sarsaparilla Root**—Mexican steady at 18c@19c lb. spot, and Honduras at 60c@62c lb.

**Senna Pods**—Quoted firm at 22c lb. spot with some supplies coming in the last part of this week, and will be offered at 14c lb.

**Uva Ursi Leaves**—Have advanced and now quoted higher at 4 3/4c@5c lb. spot.

**Wild Cherry Bark**—Thin green rossed dull at 12c@14c lb. spot, and thick natural at 6c@7c lb.

**Worm Seed**—Levant firm at \$5.25@\$5.50 lb. spot, and American at 8 1/2c@9c lb.

## PLAN SIMPLIFICATION IN DRUG TRADE

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 9.—Eli Lilly, vice president of Eli Lilly Co. and chairman of the Committee on Catalogue Simplification of the American Drug Manufacturers Association and C. P. Frailey, secretary of the association, conferred this week with Major A. E. Foote, of the Simplified Practice Division, Department of Commerce relative to further simplification. The simplification work on glass containers and the catalogue simplification have encouraged members to undertake further simplification.

Gum arabic shipments from Khartoum, according to advices from Sarkis Izmirlian to E. M. Javitz & Son, New York, were 7,934 tons for the first four months of 1924, compared with 8,939 tons, during the same period in 1923. Great Britain took 2,000 tons, Germany 1,500 tons; France and the United States 1,000 tons each. Ten smaller countries took the balance.

The Baltimore Drug Exchange, consisting of members of the wholesale and manufacturing drug interests of the city and allied lines, will have its annual outing on July 14, when a steamer leaving the Old Bay Line wharf will convey the party to Rock Creek. J. Emory Bond, of Parke, Davis & Co., is chairman of the entertainment committee.

Examinations to fill vacancies among narcotic agents in the Treasury Department will be closed after July 22, according to the United States Civil Service Commission. Applicants must have had six months' experience as a minimum in the investigation of major criminal activities.

Exports of gum arabic from Sudan during April were 2,084 tons, of which Great Britain received 453 tons; France, 257 tons; United States, 577 tons; and Germany, 361 tons, according to American-British Chemical Supplies, New York, agents for Boxall & Co., Sudan.

The spice market is more interesting, and capable of more development during the next three or four months, than it has been since last summer, according to John Clarke & Co., New York, spice brokers.

## WHY JAPAN ALLOWS OPIUM IN FORMOSA

Y. Ikeda, chief of the Monopoly Bureau of Formosa, recently said: "In maintaining an opium monopoly, the Government-General of Formosa pursues a policy of gradually prohibiting the drug. Since 1885 when Formosa came into Japan's possession, the question of how to deal with opium smokers and the policy that should be followed have received the careful attention of the authorities as this is a very important problem from hygienic and economic points of view. In spite of the close historic and geographical relations between Japan and China, the Japanese people have never smoked opium, and because of this there was a general expectation that the authorities would prohibit opium smoking by the Formosans. This expectation, however, has not been fulfilled.

"The Japanese authorities realized the difficulty of enforcing strict prohibition at once. This consideration, coupled with the facility afforded by the system for control of the Formosans, led to the establishment in 1896 of the opium monopoly, under which only habitual opium smokers, of whom there is evidence of the inveteracy of the habit, are permitted a certain regular amount of the drug, this being sold by the authorities. This policy has served to decrease the number of smokers by degrees.

"At the end of March, 1921, the number of opium smokers was 45,000, compared with 170,000 at the time of the establishment of the monopoly. Based on the present rate of decrease it is expected that there will be no opium smokers left on the island at the end of 20 years.

## N. W. D. A. 1923 PROCEEDINGS ISSUED

Proceedings of the forty-ninth annual meeting of the National Wholesale Druggists' Association at the Hotel Cleveland, Cleveland, O., during the week of Oct. 8, 1923, have been published in a 688 page book by the Association, and distributed to members. Besides a complete report of the last meeting, the book contains pictures of all present officers, and records of all past officers. Committee reports, given in full, include those of Legislation, Drug Markets, Proprietary Goods, Trade Marks, Prohibition Problems, Uniform Accounting, Employers' Liability, Credits and Collections, and Transportation. The report of the Committee on Memorials to Deceased members covers forty pages owing to the large number of deaths of members during 1922-23. The back of the book contains a complete roster of attendance, a list of all deceased members with year of membership and death, all 1923-24 committees, delegates to other associations, lists of active and associate members arranged geographically and alphabetically, by-laws of the association, and index. The book is a complete record of the N.W.D.A. for the year 1923, carefully compiled and well edited.

Sales of drugs and allied products during May in the St. Louis Federal Reserve District were 6.2 per cent less than during a similar period in 1923, and 5.8 per cent below April, according to the reports of eleven drug companies in this area. Demand for remedial drugs has been good, since buyers are taking advantage of the slight recessions in the prices of a number of staple drugs and proprietary medicines.

In a letter to Owl Drug Co. stockholders sent out with semi-annual dividend checks on 8% preferred C. A. Henry, president said the organization now has 85 stores since acquisition of Sunn Drug Co. operating through southern California, and is establishing new stores in San Francisco, Los Angeles, and Chicago. Gross volume of sales this year will reach \$20,000,000.

## The Essential Oil Market

Current Spot Quotations of Essential Oils, 137 Aromatic Chemicals, 138

### OIL LEMON FIRM AND ACTIVE ON SPOT

Inside at 80c/lb.—Oil Orange Weaker—Oil Cedar Wood Firm—Oil Caraway Sharply Lower—Java Citronella Scarce—Oil Spearmint Higher—Oil Peppermint Dull—Oil Anise Steady—Balsam Tolu Scarce

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Oil Spearmint, 10c lb.			
Oil Bergamot, Coppers, 10c lb.		Oil Orange, Italian, 10c lb.	
Oil Caraway, 80c lb.		Oil Wormseed, 20c lb.	
Oil Carvol, \$1.00 lb.		Balsam Tolu, 10c lb.	

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre War
Oil Bergamot .....	\$3.50	\$3.60	\$3.90	\$2.60	\$7.00	\$5.00
Oil Citronella, Ceylon .....	.80	.80	.83	.70	.92	.60
Oil Cloves .....	1.75	1.75	1.85	1.95	3.70	1.40
Oil Lemon, Italian .....	.80	.80	.82½	.80	1.70	2.00
Oil Peppermint, Nat. ....	3.85	3.80	4.10	2.65	9.00	2.25
Oil Sandalwood, E. I. ....	6.25	6.25	6.25	7.70	13.00	5.25
Oil Sassafras, Arif. ....	.35	.35	.35	.45	1.00	.25
Benzaldehyde, U.S.P. ....	1.50	1.50	1.50	1.80	5.15	1.50
Coumarin .....	3.40	3.40	3.50	4.50	31.00	3.10
Methyl Salicylate, Cans. ....	.47	.47	.47	.57	1.00	.90
Vanillin .....	.49½	.49½	.49½	.41	.95	.20
Average .....	2.10	2.10	2.19	2.06	6.83	2.05

Activity in oil lemon has featured the essential oil market during the past week. Little trading took place between Wednesday of last week and Monday of this week owing to a number of dealers leaving early for the holidays. Actual changes have been few, the general list remains the same as the week previous, excepting further weakness in oils orange, caraway, and wormseed. The firm items do not extend beyond three or possibly four essential oils. Stocks of the remainder of the oils, while not heavy, are sufficient to supply all needs at the moment. With the continuation of warm weather, better business will be expected in the Messina essences. The trade appears to be waiting for more definite news on new crop oils before they will extend their purchases for future delivery. The usual late Spring and unfavorable weather reports from a number of oil producing districts have been received, but many think that when the time comes to offer new crop oils, supplies will be abundant.

### Essential Oils

**Oil Almond**—Little business reported last week at \$3.25@3.50 for both U.S.P. bitter and fIPA goods.

**Oil Angelica Root**—Market appears to have steadied down somewhat at \$32@36lb. spot as to seller and quantity.

**Oil Anise**—Spot material quoted at 52½c@55c/lb. for U.S.P. goods, and 50c@52c/lb. for technical. Recent arrivals have been sufficient to take care of all requirements. Shipment slightly easier, but exact figures could not be obtained.

**Oil Bay**—In routine demand only at \$2.25@2.35lb. spot as to quantity.

**Oil Bergamot**—Coppers have declined and now quoted at \$3.50@3.70lb. spot as to seller and quantity. While demand has not been very active during the past three weeks, imports have counterbalanced it somewhat by being slightly below normal.

**Oil Bois de Rose**—Spot quoted at \$4.25@4.50lb. with some houses inside at \$4.50lb. Demand at the moment is small.

**Oil Camphor**—Japanese quiet at 13c@14c/lb. spot in cases, and 12½c@14c/lb. in drums.

**Oil Caraway**—Has declined sharply and now quoted at \$5.75@6.00lb. spot owing to cheaper replacements, which will be coming in the spot market shortly. Reports are heard that the seed has firmed up in Holland.

**Oil Carvol**—Lower at \$14@15lb. spot as to seller and quantity in sympathy with the raw material.

**Oil Cassia**—Market remains quiet with spot redistilled goods named at \$2.00@2.10lb., and natural at \$1.45@1.60lb. with shipment fully equal to these last named values.

**Oil Cedar Wood**—Firm and active at 42c@44c/lb. spot as to quantity. Market is not expected to decline owing to curtailed production in the South, according to one factor in the trade. Leaf, \$1.00@1.05lb.

**Oil Celery**—In small demand at \$10.00@11.00lb. spot as to quantity.

**Oil Cinnamon**—Leaf in better demand than last week at \$1.45@1.60lb. spot.

**Oil Citronella**—Ceylon steady at 80c@90c/lb. spot in drums as to seller and quality, and 83c@93c/lb. in tins. Shipments are being offered more freely, according to reports. Java is firm and scarce with drums to arrive in about a week named at \$1.20@1.25lb., and tins at \$1.25@1.30lb. Shipment named at \$1.15@1.20lb. c.i.f. New York as to position.

**Oil Cloves**—Market easy at \$1.75@1.85lb. spot in cans, and \$1.85@1.95lb. in bottles.

**Oil Coriander**—Little demand at the moment at \$12.00@12.50lb. spot as to quantity.

**Oil Eucalyptus**—Demand small with holders naming 53c/lb. spot in drums, and 55c@58c/lb. in cases with possibility of shading these figures on firm business.

**Oil Geranium**—Bourbon firm, though quiet, at \$6.75@8.50lb. spot as to quality, and Algerian \$7.75@8.50lb. Turkish, \$4.25@4.50lb.

**Oil Gingergrass**—Market steady at \$2.75@3.00lb. spot. London names 7s 9d per pound and firm thereat.

**Oil Lemon**—Italian firm at 80c@90c/lb. spot as to seller and quantity. Reports were heard last week that all the 77c material has been taken off the market. Shipment remains about equal to spot values. American quiet at 75c@80c/lb.

**Oil Lemongrass**—Quoted at 75c@80c/lb. spot. London reports a weakening market.

**Oil Linaloe**—Mexican on spot quoted at \$3.50@3.75 lb. Supplies none too plentiful.

**Oil Orange**—Italian has declined and now quoted at \$2.90@3.20lb. spot as to seller and quantity. Demand has been small in spite of present seasonal weather. Offers for shipment on increase, according to reports. West Indian, \$2.60@2.70lb. spot. American, \$3.00@3.10lb.

**Oil Pennyroyal**—Domestic firm at \$2.00@2.25lb. spot, and imported at \$1.80@1.95lb.

**Oil Peppermint**—Spot natural quoted at \$3.85@4.05 lb., and redistilled at \$4.15@4.35lb. with replacements from the country about equal to the minimum values.

**Oil Sandalwood**—In ample supply for present at \$6.20@6.25lb. spot, for East Indian goods. Sales reported



to have been made last week at \$6.15lb. owing to keen competition among leading sellers.

**Oil Spearmint**—Has advanced and now quoted at \$2.75@2.95lb. spot owing to higher replacements and active demand in spot market.

**Oil Wormseed**—Holders on spot have reduced their prices sharply and now quote \$4.30@4.50lb. as to seller owing to weakening in the country.

**Balsams**

**Peru**—Steady at \$1.80@1.90lb. spot.

**Tolu**—Has declined in spite of its scarcity and now offered at \$1.70@1.75lb. as to quantity. With any increase in demand, higher prices are looked for.

**Vanilla Beans**

**Bourbon**—Steady and active at \$12@13lb. spot.

**Mexican**—Whole beans quoted firm at \$13@14lb. spot, and cuts at \$11.00@11.50lb.

**Aromatic Chemicals**

**Coumarin**—In fair demand at \$3.40@3.65lb. spot as to quantity, and \$3.40@3.50lb. from resellers.

**Helliotropin**—In small demand at \$1.85@2.00lb. spot for domestic, and \$2.50@2.75lb. for imported.

**Phenylethylalcohol**—Imported firm and active at \$8.00@9.00lb. spot, and domestic at \$8.00@9.00lb.

**Terpineol**—Quiet with holders naming 48c@57clb. spot as to quantity.

**Vanillin**—In active demand at 49½c@51coz. as to quantity from makers, and 42½c@45coz. from resale quarters.

The almond crop in the Bari section of Italy according to a cable from Commissioner Foley, of the Department of Agriculture, is estimated at about one-third of the normal crop, or about 27,500,000 pounds. The Sicilian crop is estimated at about one-half, or 18,700,000 pounds. In the Balearic Islands the crop is only 30 per cent of normal, or about 3,300,000 pounds. On the Spanish mainland the crop is estimated at 4,400,000 pounds for the Tarragona section and about 3,300,000 pounds for the Alicante district. In the southern sections of Spain the crop is damaged in places but is generally estimated at about 60 per cent of normal. The carryover is small.

F. H. Ungerer, vice-president of Ungerer & Co., has returned from Toronto where he spent a week at their Canadian Branch in charge of R. S. McIndoe. Mr. Ungerer visited the trade in Toronto and Montreal in company with H. F. McDermott, Canadian sales representative. He found that business in general is slow in Canada, but is showing signs of improvement and an increasing interest in forward buying.

Fritzsche Brothers, New York, essential oil importers, have mailed their July price-list to the trade. A few of the advances follow: Java oil citronella, oil cedar wood, and oil ginger. Declines: Oil lemon, balsam peru, oil caraway, oil cassia, and oil peppermint.

Dr. T. J. Jenneman has joined the laboratory staff of Edward T. Beiser Co., Riverside, Conn., manufacturers of perfumers' natural and synthetic raw materials.

G. F. Richman, formerly of Antoine Chiris Co., New York essential oil importers and manufacturers, has joined the staff of Seeley & Co., New York.

Clarence Morgan & Co., Chicago, chemicals and essential oils, have issued their July price list to the trade.

E. Fougere & Co., New York, have issued a catalogue on chemicals and essential oils handled by this house.

**BULGARIAN ROSE HARVEST BEGINS**

The Bulgarian rose harvest is under way, and the outlook is fair, though not as encouraging as we would have liked it to be, according to a report from Shipkoff & Co., Sofia, Bulgaria, dated May 16, which says: "The long, protracted severe winter caused considerable damage to the rose bushes, especially in elevated localities, like Klissoura, Kalofer and Isvorovo. The weather during April was unfavorable, but since May 1 we have had abundant rains all over the rose district, and they have greatly improved the prospects and have insured us at least as good a crop as last year's. All now depends on the weather during the harvesting season. The price of the flowers has not yet been fixed, as the demands of the growers are excessive. While the manufacturers are disposed to pay them 8 leva per kilo, which is an advance of 30 per cent over last year's price, the growers demand 12 leva (about 10c) per kilo—an advance of 85 per cent on last year's price—an impossible advance, and, as the harvesting of the crop is approaching, the conflict between the manufacturers and the growers is becoming more acute. This conflict has been stirred up mostly by outside influences and mainly by the co-operative spirit of the Agricultural Bank, whose ambition is to center the distillation in the hands of the co-operative peasant societies which they finance.

"On May 4 the growers met at Karlovo to fix the price of the flowers. They unanimously fixed this year's price at 12 leva and issued a sort of ultimatum to the manufacturers to accept or to refuse this price by May 20, and at the same time sent an appeal to the Minister of Agriculture to intercede in their favor. Our impression is that there will be a compromise, and that ultimately the price to be agreed to will be 9 or 10 leva per kilo."

**ESSENTIAL OILS LOWER IN GERMANY**

The essential oil market in Germany has shown little or no expansion, and tendency has been for the manufacturers to check price-shading, but the present unsettled state of German economy is acting as a drawback to bullish operations, according to "The Perfumery and Essential Oil Record," of London, which says: "On the re-sale market, the situation is very uncertain and far from uniform. Numerous bankruptcies and rumors of impending bankruptcies continue. Owing to lack of any credit heavy quantities are thrown on the market and prices go to pieces under the competition and the absence of any demand worth speaking of. Distressed lots are jobbed at quotations approximately 10 to 20 per cent under the schedule. These parcels, of course, have an influence on manufacturer's operations. Consumers still adhere to their hand-to-mouth purchasing, expecting a general decline of all goods of about 20 to 30 per cent. within the near future. The policy of the government is to constrain holders to dispose of their stocks, but the execution of this theoretical measure fails to produce the desired effect, as there are only sellers and no buyers."

Essential oil demand is generally quiet and price changes are unimportant, according to "The Chemist and Druggist," London, which says: "The chief interest is shown in Japanese dementholized mint oil, which is unsteady. Bulgarian otto of rose and bois de rose oils are dearer. Ginger-grass is firmer. Star anise is quiet and easier. Bergamot is cheaper. Cochin lemongrass and Paraguayan petit grain have a weaker tendency. Dutch caraway, guaiacwood, and West Indian sandalwood oils are lower."



# Are You Obeying the Corporation Laws?

*Failure to Comply May Prove Costly — Advantages Gained  
Are Right to Sue and to Enforce Contracts*

By WILLIAM C. SHERWOOD, B.A., LL.B.

**A** CORPORATION which meets the legal requirements of all states in which it is doing business will thereby escape embarrassment and actual money loss. The corporation which complies with the laws is sustained in actions in state courts. In other words it has legal status. It is difficult for a layman to prepare the necessary papers, and the work should be done by a company equipped to do so. Usually, failure of a corporation to qualify is due to ignorance of state requirements but ignorance of the law is not accepted as an excuse.

Every careful corporation does all in its power to protect itself, its directors, stockholders, employees and agents against loss. Insurance of various kinds is taken out, employees are bonded and up-to-date office methods and accounting systems are installed; time and thought are given by attorneys to the preparation of the Certificate of Incorporation, by-laws and minutes, and the corporation complies with the laws of the State in which it organizes.

Some corporations, however, frequently overlook the requirements of states other than the one in which they are organized, in which they sell their goods or transact their business. During the last two decades, most of the States have adopted laws calling for the fulfillment of certain requirements before giving any protection to corporations of other States which may do business within their borders. A corporation is "domestic" in the state of its incorporation; in States other than the State of incorporation, it is known as a "foreign" corporation. Doing business as a foreign corporation calls for compliance with the laws of the states in which purchases or sales are made.

These requirements differ in detail in the various states, but as a general rule, before a corporation is admitted to do business as a foreign corporation, it must file a copy of its certificate of incorporation, a statement giving the names of its officers and directors and amount of stock outstanding; designate an office or agent in the state where process can be served, and to which communications can be sent; and pay an admission fee or tax. Upon filing such papers and making proper payment, the State issues a certificate or consent permitting the corporation to do business and giving the corporation the protection customarily furnished by the state. After the corporation shall have become admitted, it will be called upon annually to file statements or reports at certain times during the year, and to pay its annual license tax or fee.

These acts are called "qualifying" the corporation and it is then in position to bring actions or defend actions in the courts of the states which it enters and to operate with safety in practically the same manner as corporations which are domestic in those states.

Mr. Sherwood warns busy executives that ignorance of the law is no excuse and that failure to comply with the requirements in the various states where a corporation may be doing business is likely to result in serious money loss. His suggestions are based upon his experience of twenty-five years in organizing companies and looking after their legal interests, not only in the state where incorporated, but also in "foreign" states. Mr. Sherwood is a member of the New York bar, and vice president of the Registrar and Transfer Co., New York. Mr. Sherwood's views will interest houses trading as a corporation which are "doing business" in states other than the one in which they are incorporated.  
—Editor.

"Doing business" is differently defined in different states and it is necessary to investigate the laws of the state in which the corporation is about to do business, in order to ascertain whether the acts to be performed in such state constitute doing business under its statutes. This feature is a very comprehensive one and not at all for the layman to decide. Customarily, a corporation submits to its attorney a statement regarding the nature of the corporation's business and the name of the state in which it is about to transact business and, after investigation, he advises whether or not it is necessary to qualify; and, if so, what steps have to be taken in order to afford complete protection to the corporation operating as a foreign corporation. Sometimes it is advisable to organize a small subsidiary corporation

and qualify it instead of the parent or larger company. This frequently minimizes the initial cost of entering a state and may reduce annual fees and taxes.

Many corporations failing to comply with State requirements have been unable to collect their bills, enforce contracts or use the State courts for prosecuting or defending actions; they have suffered money losses from penalties and, in some instances, caused their officers and directors personal losses. Other corporations have been greatly inconvenienced and put to losses even after qualifying, either through failure to keep advised of changes in the law, for neglecting to file reports or to return them in time.

To overcome the difficulties in qualifying and to provide machinery for meeting the requirements of the different states, certain companies have specialized in matters of this nature and equipped themselves to assist attorneys in the preparation of the papers necessary to be filed and to assist corporations in the selection of local agents and officers and in the filing of annual reports and returns.

## WESTERN SCIENTISTS ELECT OFFICERS

The annual meeting of the Pacific division of the American Association for the Advancement of Science was held at Palo Alto, Cal., June 27. The officers chosen for the ensuing year are: C. E. Grunsky, engineer of San Francisco, president; Dr. Joel H. Hildebrand, professor of chemistry, University of California, vice-president, and Dr. Barton Warren Evermann, director of the Academy of Sciences, San Francisco, secretary-treasurer. Bernard Benfield, San Francisco, and Dr. Ernest G. Martin, Stanford University, were made members of the executive committee. The next meeting will be held in Oregon, either at Eugene or Portland.

## Drug Consuming Industries

### COD CATCH EXCEEDS OTHER YEARS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Bergen, Norway, June 26.—The catch of cod for the week of June 8 to 14 was very good, but the number of fishing craft leaving the fishing grounds for home is gradually increasing. During the week, 672 boats returned, while 2308 are still at sea. Official reports give the total catch, with reference to cod liver oil, up to June 14 as follows (in hectoliters):

	1924	1923	1922
Steam-refined medicinal, crude	111,748	83,913	78,436
Liver for industrial oils	17,638	17,061	14,992

Exports for the year up to June 7 were:

Steam-refined medicinal, best, non-freezing	32,463 bbls.
yellow	788 "
medicinal bright	1,662 "

#### Industrial

Tanner's bright brown boiled	5,161 casks
Tanner's brown boiled	3,953 "

Cleared through the U. S. Consulate of Bergen for Export to United States, in May 1924:

Steam-refined medicinal cod liver oil:	65,550 U/S Gallons.
Industrial oil	520 U/S "

### CHEMICAL PLANT PAYROLLS DECREASE

Washington, D. C. July 9.—The Bureau of Labor Statistics, Department of Labor has just announced the employment figures for May. Eighty-eight chemical plants reporting to the Bureau gave their employment in April as 19,896 decreasing in May to 19,077 a loss of 4.1 per cent. The payrolls in these plants also declined from \$521,080 in April to \$499,805 in May, a decrease of 4.1 per cent.

Replies were received by the Bureau from 62 chemical plants which gave their employment in May of last year at 14,731, decreasing in the same month of this year to 13,683 a loss of 7.1 per cent. The payrolls in these plants also decreased from \$381,995 in May of last year to \$367,360 in the same month of this year, a loss of 3.8 per cent.

Glycerin situation is marked with little activity, but the market is firm and the undertone strong, according to Parsons & Petit, New York, who say: "A less than car lot in the East has brought 16½¢ pound, but this price is much above the larger buyers' views and in the Middle West, they can probably purchase quite a little cheaper."

British Pharmaceutical Conference will be held at Bath, England, commencing July 21. Some of the papers, which will be presented, are: "Tragacanth and its Mucilage," by Norman Evers and T. McLachlan, and "Note on Stainless Iodine Ointment," by Henry B. Mackie and Edna E. Sherman.

Celluloid Co., New York, are now showing their Christmas line of novelties and toilet goods for the wholesale drug trade. Dresser sets feature the exhibits which range in price from \$4.50 to \$40.

Swedish Customs duties on saffron, vanilla, their essences and extracts, also liquid ethers, simple or compound, have been modified as of July 1.

### SEEKING NEW MARKETS FOR CAMPHOR

#### JAPAN SENDS COMMISSION TO AMERICA

Chief of Formosan Monopoly Bureau Says Camphor Production is 5,000,000 Kin Annually and 7,000,000 Kin of Oil—Demand in United States Increasing Rapidly

With the development of the celluloid industry in Western countries the demand for camphor has gradually increased until 10,000,000 kin are required annually, and of this total Formosa supplies approximately 70 per cent. This shows the very important place which Formosan camphor occupies in the celluloid industry, writes Y. Ikeda, chief of the Monopoly Bureau of Formosa, in "The Trans-Pacific," published in Tokyo. Mr. Ikeda says in part:

"The Government-General is taking constant care in preserving the camphor producing trees, so as to be able to supply the world's needs in future. Officials are sent into the aboriginal districts in the interior to examine trees there and to ascertain the quantity of camphor they contain. At the same time, afforestation is encouraged, and the areas on which these trees are grown are being increased gradually.

"The manufacture of camphor is going on throughout the mountainous sections of the island. Wooden blocks from the trees are distilled, and the camphor elements extracted from which camphor and camphor oils are produced. The total camphor production amounts to about 5,000,000 kin a year while 7,000,000 kin of the oil are produced. Camphor made from the oil by fractional distillation amounts to 3,000,000 kin. As the trees grow in mountainous districts which are hard of access, the hardships and difficulties experienced by those engaged in the industry are very great.

"Camphor is used not only for medicines, perfumes, and an incense burned in India during certain religious ceremonies, but is also employed as a purifier and to remove harmful insects and worms. The demand for camphor in France and Germany has decreased, since the war, and the American demand has increased greatly. In consequence there is no great difference in the world's needs now and as they were before the war.

"In order to open new markets abroad and in the interest of the camphor consumers the Formosan Government-General has dispatched officials to Western countries to negotiate with importers and consumers so that every facility may be afforded them."

Vera Cruz vanilla bean crop for 1923-24 totals 100,000 pounds of whole beans, and 40,000 pounds of cuts, according to Consul John Q. Wood, Vera Cruz, who says: "The next crop, which will be gathered between September and February, 1925, promises to give a better yield than this year. The weather has been favorable, so the quality of the new crop should be excellent."

E. R. Squibb & Sons, New York, have begun work on their new building, which will be located on Columbia Heights, Brooklyn, between Vine and Doughty Sts. The cost of the new structure is estimated at \$750,000. It will be thirteen stories in height. The work is expected to be completed by Sept. 15, this year.

Vietor & Hosken, New York, have opened an office at Greensboro, North Carolina, with E. J. Lefort in charge.

### Books of Trade Interest

**AMERICAN BUYERS' GUIDE.** By American Chamber of Commerce in Germany, Berlin, Germany. 283 pages, 8vo. 1924.

This publication contains many valuable points for the American buyers of Central European merchandise. While certain sections may give rise to more questions than the book can answer, this is chiefly due to present unsettled conditions during which the material was prepared. Economic and trade conditions in Germany during the past year have changed more rapidly than one could write about them.

**QUANTITATIVE CHEMICAL ANALYSIS.** By Frank Clowes, D.Sc., Lond., and J. Bernard Coleman, A.R.C.Sc., Dublin. Twelfth Edition. 133 Illustrations. 564 pages, 8vo. P. Blakiston's Son & Co., Philadelphia, 1924.

The book retains its original general arrangement and character, since the scheme of the work is progressive; the descriptions of methods and processes are given in much detail, and the text is very fully illustrated with original wood-cuts. The extension of the text has made the book more useful as a work of reference. The subject matter has been arranged in eight principal Parts, which are subdivided into eighteen sections.

**MANPOWER IN INDUSTRY.** By Edward S. Cowdrick. 373 pages, 8vo. Henry Holt and Co., New York. 1924.

The underlying principles of human relationships in industry, together with the more important methods which have been used in dealing with the practical problems of personnel administration, are presented in this book. The needs of the business executive and of the director of industrial relations, as well as those who are seeking guidance toward straight thinking on the

vitaly important subject of labor, have been borne in mind by the author. References to books which give views entirely different from those of the author are included in the volume.

**THE RITUAL OF BUSINESS.** By Major A. E. Powell. 130 pages, 8vo. Theosophical Order of Service, 3, Upper Woburn Place, London.

This book is intended to be a guide to that large and ever growing number of people who work, principally as amateurs, in organizations, and who wish to make themselves as efficient as possible.

Henry Tetlow Co., Philadelphia, has revised prices on the following articles of their manufacture: Swansdown, Gossamer and Pussywillow face powders; Pussywillow talcum; Blue Moon extract; Swansdown, Ruby, and Pussywillow rouges.

Exports of kauri gum from Auckland, New Zealand, during April were 487 tons, valued at £43,516. The market has quieted down somewhat during the last two weeks, although all superior white gum is finding a ready market.

Colgate & Co., New York, are giving away a cake of castile soap with each package of baby talcum powder, and a small vial of perfume with each package of their regular talcums, at their New York display room.

Ab-scent, a new colorless deodorant for personal use, has been put on the market by Madame Berthe of Jean Jordeau, Inc. Madame Berthe is the originator of Zip, hair remover.

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### ***The Editor's Correspondence***

#### **Says Foreign Bromides Are Acceptable**

Editor, DRUG & CHEMICAL MARKETS:

We have carefully read your issue of July 2nd and wish to compliment you on your article regarding the "Status of Bromide Prices." Considering the entire subject, we believe you covered the matter very well. However, there were two important factors which should have been considered. The first is that there is more than one brand of foreign bromides that is acceptable to American buyers in competition with domestic goods. Also, you have omitted that one of the real reasons for bromides being high is not only the manufacturing cost and the elimination of selling for nothing, but the fact that the raw material is not available and cannot be had until such time as the Germans are favored with a loan.

New York, July 3, 1924.

W. BENKERT & Co., INC.  
Per R. J. Prentiss

#### **Drug Collections Light in South**

Editor, DRUG & CHEMICAL MARKETS:

We have read your comments on the crude drug situation in the South and, while it is somewhat difficult for you to get our point of view, we could not find any fault in your remarks as to conditions in the collecting districts.

We buy goods ourselves from seventeen different states and at this writing collections have been very light except on a few items. Business has been unusually good with us and we are selling all the principal items

as fast as secured. Demand for Black and Blue Cohosh, Poke Root, Stone Root, Wild Ginger, Wild Yam, Wild Cherry Bark, has been the best we have ever known it, so we have little cause to complain. The season for leaves and herbs is now coming on and so far as roots and barks are concerned there will be very little collected from this time on.

HAMILTON-BACON-HAMILTON Co.  
Bristol, Va., July 3, 1924. Joseph Powell

Advances in foreign requirements for American creams, rouges, and other cosmetics and dentifrices, but declines in perfumery, and toilet waters, and talcum and other toilet powders, characterized the trade in the perfumery and toilet preparations group during May, which reached the figure of \$664,906 (990,903 pounds), an improvement of 16 per cent over May, 1923. Continued progress is shown throughout the current year in foreign sales of essential oils, the figure of \$137,472 (313,616 pounds) being attained in May.

Wholesale drug business during May in the Federal Reserve district in Kansas City, Mo. showed a slight decline from April, and with the removal of the tax on the sale of syrup and the decline in sugar, a stimulation in these lines is naturally looked for, according to the Federal Reserve Bank of Kansas City, Mo.

Wholesale drug sales in the Chicago Federal Reserve district were slightly less than 4 per cent below April, and 6 per cent less than May, according to a Chicago bank.

Hetherman & Co. received 200 cases of camphor aboard the "Manila Maru," which arrived at Seattle, recently, according to the "Journal of Commerce."

**QUININE**  
**Sulphate — Bisulphate**  
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Exclusive Distributors for North & South America  
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# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; Crude Drugs, Essential Oils, including oleoresins; Fatty Oils, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; Tanning and Dye Extracts, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilograms
1 Kilogram	—2.20	Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

## Chemicals

ACETANILID, tech. 150 lb bbls..	.27	.28
100 lb kgs.	.25	.30
USP 250 lb bbls.	.30	.32
Second Hands	.30	.31
Acetic Anhydride		
85-89%, 107 lb chys.	.40	
90-95%, 100 lb chys.	.43	
C.P. 100 lb chys.	.80	
Acetone, CP 700 lb drs. c/l wks.	.15	.16
700 lb drs. l/c wks.	.15%	.16%
350 lb drs. l/c wks.	.16	.17
Second Hands, spot	.16%	.17
Acetone, 100 gal. drums.		.35
Acetone Oils, light, drs. wks.	1.40	1.45
Heavy, drs. wks.	1.40	1.45
Acetophenidine, 150 lb bbls.	1.85	1.90
Acetyl Chloride, 100 lb chys.	.40	.41
ACID, 1, 2, 4, 250 lb bbls.		1.30
Acetic, 28%, 400 lb bbls. c/l		
wks.	3.12	
28%, l/c wks.	3.37	
50%, c/l wks.	5.85	
58%, l/c wks.	6.10	
70%, bbls. c/l wks.	7.20	
70%, l/c wks.	7.45	
80% coml. bbls. c/l wks.	8.19	
80% coml. l/c wks.	8.44	
80% pure bbls. c/l wks.	9.98	
80% pure l/c wks.	10.23	
Glacial, bbls. c/l wks.	11.01	
Glacial, l/c wks.	11.26	
Glacial USP chys. wks.	11.76	
Acetylsalicylic, 220 lb bbls.	.75	.85
Second Hands	.70	.71
Anthranilis, tech. drs.		.94
99-100%, 100 lb drs.		1.00
Benzoic, tech. 100 lb bbls.		.75
Tech. ton lots bbls.		.70
USP, 100 lb bbls.	.75	.85
Second Hands	.72	.75
Boric, crys. powd. 250 lb bbls.		.09%
Kegs, 100 lb	.10	.10%
Bromine's 250 lb bbls.		1.25
Butyric, 60% pure 5 lb bot.	.40	.50
C.P. 10 lb bot.	1.25	1.50
Camphoric, USP, VIII 1 lb bot.	5.90	6.00
Carbolic, USP crys. see also Phenol		
112 lb tins	.28	.28
25 lb tins	.28	.30
5 lb tins or bot.	.30	.33
1 lb bot.	.35	.37

Acid Carbolis—(continued)		
Liquid USP, 1 lb bot.	.36	.37
Crude, 25% 50 gal. bbls. gal	.33	.35
10%, 50 gal. bbls. gal	.27	.30
Carbonic, see Carbon Dioxide		
Chloracetic		
mono 100 lb bbls. wks.		.25
DI, 150 lb chys. wks.		1.00
Tri, 425 lb bbls. wks.		2.50
Chloroformic, 1500 lb drs.		
wks.	.15	.16
Chromic, USP 200 lb drums.		.40
85% Pure, 200 lb drums.		.35
Chromotropic, 800 lb bbls.		1.35
Chrysanthemum, see Chrysanthemum		
Cinnamic, 5 lb cans		3.93
CITRIC, USP crys. 230 lb bbls.		.46
Powd., USP, 200 lb bbls.		.47
Imported, crys. 112 lb kgs.	.47	.48
Single kgs		.48%
Cleves, 250 lb bbls.	1.00	1.10
Cresylic, 95% dark dr. NY.	.63	.65
97-99% pale, dr. NY.	.65	.75
Crude, spot, drums	.55	.60
Diethylbarbituric, Dom., 25 lb lots,		
1 lb bot.	10.00	12.00
Imp. 10 lb lots	3.75	4.00
Formic 85% tech. 140 lb chys.	.12%	.13
90%, 80 lb chys. incs.	.13	.13%
Gallie, USP, 150 lb bbls.		.70
Gamma, 225 lb bbls. wks.		1.50
Glycerophosphoric, 25% 1 lb. b. b.		1.85
H 225 lb bbls. wks.	.72	.75
Hydroiodic, 10% USP 5 lb bot.		.75
Hydrobromic, 48% coml. 155 lb		
chys. wks.	.35	.40
48% coml. 10 chys. wks.		.40
40% USP 155 lb chys. wks.	.45	.46
10% USP 100 lb chys. wks.	.11	.13
Hydrochloric, see also Acid Muratic		
CP, USP, 110 lb chys.	.08	.11
HYDROFLUORIC, 30% 400 lb bbls.		
wks.		.07
30% bbls. c/l wks.		.07
30% 100 lb chys. wks.		.06
48% single 100 lb chys. wks.		.11
48% 10 chys. wks.		.10
52% 100 lb chys. wks.		.14
52% 10 chys. wks.		.11

Acid, hydrofluoric—(continued)		
60% 100 lb chys. wks.		.14
60% 300 lb dr. wks.		.13
White Acid, 100 lb chys. wks.		.38
White Acid, 10 chys. wks.		.35
Hydrofluosilicic, 35% 450 lb bbls.		
wks.		.12
Hypophosphorous, USP 30% 5		
gal. demis.		.30
USP, 10% 5 gal. demis.		.30
LACTIC, 22% dark 500 lb bbls.	.05	.05%
22% light, bbls.	.08	.08%
44% dark, bbls.	.10%	.11
44% light, bbls.	.13%	.13
66% bbls. dark, bbls.	.16%	.17
66% light, bbls.	.26	.26%
USP IX 100 lb chys.		.75
USP VIII 100 lb chys.		.70
Laurent's, 250 lb bbls.		.90
Metanilic, 250 lb bbls.	.60	.65
Mixed, sulfuric-nitric		
Drums, wks.	N Unit	.07%
Drums, wks.	S Unit	.01
Tank cars, wks.	N Unit	.06%
Tank cars, wks.	S Unit	.009
Molybdic, 85% pure 100 lb kgs.	1.35	1.60
100% C.P. 100 lb kgs.	2.00	2.10
Monosulfonic F, Delta, 50 lb		
tins		2.20
MURIATIC, 20% chys. l/c		
wks.	1.35	1.75
Chys. c/l wks.	1.20	1.25
Tank cars, wks.	1.00	1.10
18%, 120 lb chys.		
c/l wks.	1.00	1.10
Tank cars, wks.	net ton	
22%, 120 lb chys.		
c/l wks.	1.75	2.00
Iron, free 20% chys.		
c/l wks.	100 lb	
Tank cars, wks.	net ton	
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthalenic, tech. 250 lb bbls.		.62
Refined, single bbls.		.65
Nerile & Winther's, 250 lb		
bbls.	1.05	1.10

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Mercurial Ointment  
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## Chemicals

<b>ACID, NITRIC, 36° 185B</b>			<b>ACID, SULFURIC</b>			<b>ALCOHOL—(continued)</b>		
1c/l chys. wks....100B	4.75	: 5.25	1c/l wks. ....100B	1.50	: 1.75	Isopropyl, crude 50 gal. drs. gal	...	: 2.25
Chys c/l wks....100B	4.50	: 4.75	Drums, c/l wks....100B	1.25	: 1.50	Refined, 50 gal. drs....gal	4.00	: 4.50
38° 1c/l chys. wks....100B	5.25	: 5.75	Tank cars, wks....net ton	17.00	: 18.00	Ref'd, 91% drs....gal	...	: 3.50
Chys, c/l wks....100B	5.00	: 5.25	Contract cabs, wks....ton	...	...	Methyl, see Alcohol, Wood		
40° 1c/l chys. wks....100B	5.75	: 6.00	Olum, 40% drs 1c/l wks.net ton	...	: 40.00	Propyl, nml. crd. 50 gal. drms.gal	...	: 4.40
Chys, c/l wks....100B	5.50	: 5.75	Olum, 60% drs, 1c/l wks. net	ton	60.00	Refined, 16B cans....B	...	: .75
42° 1c/l chys. wks....100B	6.25	: 6.75	Sulfurous, USP 8% 100B chys.B	.05	: .06	Denatured		
Chys, c/l wks....100B	6.00	: 6.25	4% 100B chys....B	.04	: .05	No. 1 Complete Denat. 188 Proof		
C. P. chys. single wks....100B	.13	: .16	USP, 5 gal. dems....B	.06	: .08	50 gal. bbl. incl....gal	.53½	: .55½
Oxalic, 325B bbls., wks....B	.10	: .10½	Tannic, tech. 300B bbls....B	...	: .35	50 gal. drums, extra....gal	.46½	: .48½
Bbls, NY.....B	.10	: .11	USP, powd 200B bbls....B	.75	: .80	No. 2 Special Denat. 190 Proof		
Keps, 100B NY.....B	.10½	: .11½	USP, fluffy, 50B bbls....B	.75	: .80	50 gal. bbl. incl....gal	.52½	: .53½
Imp., 560B casks....B	.10	: .10½	Tartaric USP cryst 300B bbls.B	...	: .30	50 gal. drums, extra....gal	.45½	: .47½
Phosphoric, 50% tech. 100B			USP, powd. 300B bbls....B	...	: .30	No. 3 Complete Denat. 188 Proof		
chys. ....B	.08	: .09	Imp. USP, 240B bbls....B	.27	: .27½	50 gal. bbls, incl....gal	.51½	: .53½
USP, Syrupy 85°, 70B.			Powd. 240B bbls....B	.27½	: .28	50 gal. drums, extra....gal	.44½	: .46½
demis ....B	.16	: .17	Tobias, 250B bbls....B	.90	: .95	No. 4 Complete Denat. 188 Proof		
Imported ....B	...	...	Tungstic, 100B kegs....B	...	: 1.00	50 gal. bbls, incl....gal	.50½	: .52½
Phthalic, see Phthalic Anhydride			Valeric, C.P., 10B bot....B	2.50	: 2.75	50 gal. drums, extra....gal	.43½	: .45½
Picramic, 300B bbls....B	...	: .65	Acetiline Alk. cryst 1 oz. vis. oz	...	: 30.00	No. 5 Complete Denat. 188 Proof		
Picric, 450B bbls....B	...	: .50	Amorphous, 1 oz. vis....oz	...	: 20.00	50 gal. bbls, incl....gal	.50½	: .52½
Bbls. car lots wks....B	.20	: .25	Adeps Linae, hydrous 350B bbls.B	.20	: .25	50 gal. drums, extra....gal	.43½	: .45½
Pyrogalllic, crys. 5B cans....B	1.25	: 1.30	Arhydrous, 350B bbls....B	.23	: .35	In addition to the regular author-		
Recuttimed, 5B cans....B	1.55	: 1.65	Albumen Egg, edible ....B	...	: 1.20	ized formulae for completely dena-		
Tech. powd., 200B bbls....B	...	: .85	Blood ....B	.40	: .45	tured alcohol, some 75 formulae for		
Salicylic, tech., 125B bbls....B	.32	: .53	Technical, see Dyers Sundries	.60	: .70	specialty denatured alcohol are au-		
USP, 100B bbls....B	...	: .35	ALCOHOL, USP 190 pt. 50 gal	4.83	: 4.91	thorized for special uses. Owing to		
Second Hand, ....B	.33	: .34	bbls. ....B	...	...	the limitations of their uses however,		
Sulfanilic, 250B bbls....B	.16	: .20	Second Hand, bbls, USP 190	...	...	prices are quoted by the alcohol		
<b>SULFURIC, 56° 180B chys.</b>			pt. ....B	...	...	producers only to holders of per-		
1c/l wks....100B	1.85	: 1.75	Export, USP, 190 pt....gal	.45	: .83	mits allowing the use of specially		
Chys, c/l wks....100B	...	: 1.35	Cologne Spirit, 50 gal. bbls.gal	4.90	: 5.00	denatured formulae in products au-		
1500B Drums, 1c/l			WOOD, see Methanol			thorized by the Dept. of Internal Revenue		
wks....100B	...	: 1.25	Alcohols also in: 50 gal.			Aloln, USP, 100B cases....B	.82½	: .85
Drums, c/l wks....100B	...	: 1.10	drums extra and returnable.			Alpha-Naphthol, crude 300B bbls.B	...	: .65
Tank cars, wks....net ton	14.00	: 15.00	Amyl, see Oil Fuel			Refined ....B	...	: .80
60° 1500B Drums			Rutyl, 50 gal. crums, wks....B	...	: .32	Alpha-Naphthylamine, 350B bbls.B	.35	: .37
1c/l wks....100B	.75	: 1.00	Tank cars, wks....B	...	: .30	Ton lots, bbls. wks....B	...	: .35
Drums, c/l wks....100B	.65	: .75	Isobutyl, crude 50 gal. drums.gal	...	...			
Tank cars, wks....net ton	9.00	: 10.00	Refined, 10B can....B	2.00	: 2.50			
C. P. 175B chys....100B	.08	: .09						

# General Chemicals

A MARK OF PLEDGED RESPONSIBILITY



ON PRODUCTS OF STANDARD MERIT

## Acetic Acid

Sulphuric Acid	Ammonia Alum	Salt Cake
Epsom Salt	Aluminum Sulphate	Tin Crystals
Hydrochloric Acid	Aqua Ammonia	Sodium Sulphide
Mixed Acids	Copperas Nitrate Iron	Sodium Silicate
Nitric Acid	Anhydrous Bisulphite Soda	Sodium Phosphate

### GENERAL CHEMICAL COMPANY

40 Rector Street, New York

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The Nichols Chemical Co., Ltd., Montreal  
Cable Address: Lycurgus, N. Y.

## Chemicals

<b>ALUM.</b> Ammonia, lump 400 lb bbls.			<b>AMMONIA</b> anhyd. 100 lb cyl.... lb			<b>AMMONIUM</b> —(Continued)		
Wks. ....	100 lb	3.50 : 3.65	Water, 26° 800 lb dra. wks. lb	...	.06%	Persulfate, 112 lb cases..... lb	.35	.40
Imp., 500 lb casks.....	100 lb	...	Dra. c/l wks. ....	...	.06%	Phosphate, dibasic 200 lb bbls. lb	...	.38
Ground, 400 lb bbls. wks. 100 lb		3.65 : 3.75	C.P., chys. ....	...	.14	Tech., powd. 325 lb bbls. ....	...	.18
Powd. 380 lb bbls. wks. 100 lb		3.90 : 4.00	Imp., 800 lb drs. incl. spot. lb	...	.08%	Phosphate, mono, 325 lb bbls. lb	...	.12%
Chrome 500 lb cks. wks. 100 lb		5.50 : 6.00	26° 100 lb chys. lc/l wks. lb	...	.07%	Salicylate, USP 100 lb kegs. ....	.70	.75
Potash, lump 400 lb bbls.			Chys., c/l wks. ....	...	.07%	Sulfate, bulk c/l wks. .... 100 lb	2.50	2.60
Wks. ....	100 lb	4.50	20° 800 lb dra. lc/l wks. lb	...	.05%	206 lb single bgs. c/l wks. 100 lb	2.60	2.65
Bbls. c/l wks. ....	100 lb	4.25	Chys., lc/l wks. ....	...	.06%	200 lb double bgs., f.a.s. 100 lb	2.60	2.65
Cont. bbls. c/l wks. ....	100 lb	4.25	18° 800 lb dra. lc/l wks. lb	...	.05%	Sulfocyanide, tech. 100 lb kgs. lb	.50	.55
Imp. 650 lb cases s.p. ....	100 lb	3.00	Chys., lc/l wks. ....	...	.05%	CF, 25 lb jars. ....	.60	.70
Ground, 400 lb bbls. wks. 100 lb		4.35 : 4.60	16° 800 lb dra. lc/l wks. lb	...	.04%	Amyl Acetate, tech. 50 gal. drs. gal	2.80	3.00
Imp. 650 lb casks.....	100 lb	3.00	Chys., lc/l wks. ....	...	.05%	Refined, 50 gal. drums..... gal	3.25	4.00
Powd., 380 lb bbls. wks. 100 lb		4.50 : 4.75	Ammonium Acetate, 100 lb kegs. ....	...	.37	Alcohol, see Fuel Oil		
Chrome, 700 lb cks. wks. 100 lb		5.50 : 6.00	Benzonate, USP, 1 lb bot. ....	...	.95	<b>ANILINE OIL</b> , 900 lb dra. .... lb	.16	.17
Soda grd. 400 lb bbls. wks. 100 lb		4.00	Bifluoride, 300 lb bbls. ....	...	.22	Aniline Salt 200 lb bbls. ....	.22	.23
Bbls. c/l wks. ....	100 lb	2.50	100 lb kegs. ....	...	.23	Anthracene, 80-85%, 600 lb casks		
<b>Aluminum</b> , metal, c/l NY. ....	100 lb	26.50 : 27.00	Bromide, 50 lb boxes. ....	...	.44	28-30%, Imp. ....	.80	.85
Chloride, anhyd. 275 lb dra. ....	lb	.30 : .32	Imported, 112 lb boxes. ....	...	.30	Anthraquinone, subl. 125 lb bbls. ....	1.00	1.15
Crystals, 375 lb bbls. ....	lb	.06%	Carb., tech. 560 lb casks.....	...	.08%	Antimony metal, alaba. ton lots 100 lb	8.25	8.50
30% sol. 120 lb chys. ....	lb	.03%	Powd., tech. 385 lb bbls. ....	...	.09	Needle Powd., 100 lb cases. ....	.07%	.08%
Hydrate 96% light 90 lb bbls. ....	lb	.17 : .18	USF, lump, 100 lb kegs. ....	...	.12	<b>ANTIMONY CHLORIDE</b> , anhyd 1000 lb		
Heavy 62-64%, 220 lb bbls. ....	lb	.06 : .06%	Powd., 100 lb kegs. ....	...	.13	dra. ....	...	.35
400 lb bbls. wks. ....	lb	.06%	Chloride, Domestic			50 lb crocks. ....	...	.45
<b>SULFATE</b> , Iron-free bags c/l			White, 250 lb bbls. c/l ....	...	.67%	Crystals. ....	.06	.06%
Wks. ....	100 lb	2.25 : 2.40	250 lb bbls., lc/l wks. ....	...	.08	Sol'n, 130 lb carboys 32° ....	...	.03%
Imported, spot. ....	100 lb	2.30 : 2.35	Gray 250 lb bbls. wks. ....	...	.08	Oxide, 500 lb bbls. ....	.08	.08%
Comm'l., 1/4% Iron, bags c/l			Bbls., c/l wks. ....	...	.07%	Salt, dom. 500 lb bbls. ....	.34	.35
Wks. ....	East 100 lb	1.35	Imp. wh. 250 lb casks spot. lb	...	.06%	Imp., NY. ....	.18	.19
Cont. bgs. c/l wks. E. 100 lb		1.30	Gray 250 lb bbls. wks. ....	...	.08%	Sulfuret, golden 500 lb bbls. ....	...	.21
Bags, c/l wks. W. ....	100 lb	1.30	Lump, 500 lb casks spot. ....	...	.12	336 lb kegs. ....	...	.19
Bbls., c/l wks. East. 100 lb		1.50	Ichthyolate, as to brand. ....	4.85	5.00	Crimson, 500 lb bbls. ....	...	.38
Bulk, c/l cont. wks. E. 100 lb		...	Iodide, USP, 25 lb jars. ....	...	5.20	336 lb kegs. ....	...	.36
<b>Amidol</b> , (see Diaminophenol)			Lactate, 500 lb bbls. ....	...	.15	Red, 500 lb bbls. ....	...	.45
<b>Amidopyrine</b> , Imp. 10 lb boxes. ....	lb	4.35 : 4.50	Nitrate, tech. crys. 225 lb bbls. ....	...	...	336 lb kegs. ....	...	.42
Domestic, 10 lb boxes. ....	lb	4.60	Refined Crystals, bbls. ....	...	.21	<b>Tartridactate</b> , 500 lb bbls. ....	...	.45
<b>Aminocyclohexene</b> , 110 lb kegs. ....	lb	1.15	CP gran. 100 lb kegs. ....	...	.35	Antipyrine, USP, 100 lb cases. ....	2.10	2.20
			Oxalate, pure, 100 lb kegs. ....	...	.40	Apomorphine Hydrochloride, 1/2 oz. vials	...	21.15
						Arecine Hybromide, 1 oz. vial. ....	6.25	7.82
						Argols, red powd. 350 lb bbls. ....	.06	.07

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## Chemicals

Arsenic, metal, 220 lb kegs....D	...	.45	Benzidine Base, dry 250 lb bbls..D	...	.80	BISMUTH—(Continued)	
Red, 224 lb kegs cases....D	.15	.15%	Benzidine Sulfate, paste 350 lb			Suboxide, 5 lb lots.....D	4.82
White, 550 lb bbls., NY....D	.08	.08½	bbls. ....D	.70	.72	Subnitrate, USP, 250 lb bbls..D	2.50
Asbestos, see Acid Acetylsalicylic						Second Hands, bbls. or less..D	2.80
Atropine, Alt. USP, 1 oz. vial....oz	5.00	5.57	Benzol, see Benzene			Cones, 1 lb bot. ....D	4.09
Sulfate, 5 oz cans.....oz	2.75		Benzonaphthol, 5 lb boxes....D	3.50	3.60	Subsalicylate, USP, 175 bbls..D	3.10
Single ounce.....oz	2.82		Benzoyl Chloride, 500 lb drs....D	...	1.00	Tannate, 1 lb bot. ....D	2.80
BARIUM BINGXIDE, see Barium dioxide						above on basis 25 lb lots	
Carbonate, precip., 800 lb bbls.			Benzyl Acetate, 100 lb chys....D	1.55	1.75	Smaller lots at an advance.	
Wks. ....ton	64.00	66.00	Alcohol, 5 lb bot.....D	1.45	1.55		
Precip., 200 lb bbs., wks....ton	64.00	66.00	Benzoate, 5 lb bot.....D	1.60	1.75	Hane Fixe, dry 400 lb bbls. wks ton	75.00
Imports, bbls., spot .. ton	60.00	61.00	Medicinal FFC ..D	1.75	2.00	Imported, tbs. ....ton	70.00
Chloride, 800 lb bbls, wks....ton	90.00	95.00	Chloride, 95% tech. 925 lb drs..D	...	.25	Paste, 650 lb bbls. ....ton	50.00
200 lb bbs. wks....ton	90.00	92.50	100 lb chys. ....D	.25	.30		
Import, bbls., spot.....ton	79.00	81.00	Red-still. 160 lb chys....D	4.00	.45	BLEACHING POWDER, 700 lb drs.	
Dioxane, 84% 490 lb drs....D	.17	.18	Formate, 1 lb bot.....D	3.40	3.25	c/l wks. ....100 lb	1.90
Import, 86-88% 400 lb drs..D	...	.15	Berberine Hydrochloride, 1 lb bot....D	...	22.50	Drums 1c/l ex warehouse....100 lb	2.35
Hydrate, 500 lb bbls. ....D	...	.05	Sulfate, acid or neut. 1 lb bot..D	...	22.00	Contract, c/l wks....100 lb	1.90
Iodide, 5 lb bot. ....D	...	.15	BETA-NAPHTHOL, 350 lb bbls, wks..D	...	.26	Drums, 1c/l wks....100 lb	2.05
Nitrate, 700 lb cases....D	...	.10	Carlots, wks. ....D	...	.24	Imported, spot .....100 lb	...
Import casks.....D	...	.08½	Sublimed .....D	.55	.60	Blue Ointment, see Mercury	
Sulfoeyanide 400 lb bbls....D	...	.35	Beta-Naphthylamine, tech. 300 lb			Mass, see Mercury	
Barytes, floated 350 lb bbls wks ton	24.00	26.00	bbls. ....D	.65	.67	Bone Ash, 100 lb kegs.....D	.06
Imported .....ton	29.00	34.00	Sublimed, 200 lb bbls. ....D	...	1.35	Black, 200 lb bbls. ....D	...
Bay Rum, Porto Rican, genuine			Bichloride Mercury, see Mercury Bichloride			Borax, USP, crys. 400 lb bbls..D	.05
Medicated salicyl. acid or tartar						Powdered, USP, 300 lb bbls....D	.05
45 gal. bbls. ....gal	1.25	1.35				Kez. USP, 100-150 lb ....D	.05½
Medicated quinine sulf. 45 gal.			BISMUTH metal, 150 lb cases....D	2.50	2.65	Bordeaux Mixture, 10% pd. tbs..D	.11½
bbls. ....gal	1.25	1.35	Second Hands .....D	2.50	2.60	Paste, bbls. ....D	.08
Domestic synthetic, 50 gal.			Ammon. Citrate, USP 5 lb bxs..D	...	5.85	Borcol. 1 lb. bot.....D	3.50
bbls. ....gal	.90	1.00	Betanaphtholate, 5 lb bxs....D	...	3.30	Bromide, see potass. bromide, etc.	
St. Thomas			Citrate, USP 5 lb bxs....D	...	3.00	Bromine, bot in 60 lb cs. wks..D	.39
Medicated salicyl. acid or tartar			Nitrate, 25 lb jars .....D	...	2.00	Bromobenzene, 600 lb drums....D	.40
emetic, 50 gal. bbls. gal	1.20	1.25	Oxychloride, 250 bbls. ....D	...	3.50	Bromoforn, USP 5 lb bot 50 lb cs..D	1.65
Benzaldehyde, tech. 945 lb drs			Phenolsulfonate, 5 lb cans....D	...	3.30	Brucine Sulfate, 100 cns.....oz	.15
Wks. ....D	.75	.80	Salicylate, 250 bbls. ....D	...	1.95	Butter of Antimony, see Antimony Chloride	
USP, 40 lb chys. ....D	1.50	1.60	Subcarbonate, USP. 250 bbls..D	...	3.40	CADMIUM, metal 100 lb bxs....D	.95
FFC, 40 lb chys. ....D	1.60	1.75	X-Ray diag. 1 lb bot.....D	...	3.93	Bromide, 50 lb cases jars....D	1.20
BENZENE, 96% 8000 gal. tanks			Subgallate, USP, 175 lb bbls..D	...	2.80	Iodide, 10 lb bot.....D	4.45
Wks. ....gal	...	.23				Sulfide, cs. ....D	1.50
110 gal. drs. wks....gal	...	.28					
Pure, Tanks, wks....gal	.24	.25					
110 gal. drs. wks....gal	...	.30					

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Hydrochloric Acid	Nitric Acid
In carboys, net weight 115 lbs.	In carboys, net weight 135 lbs.
In standard cases, 10 6-lb. bottles.	In standard cases, 10 7-lb. bottles.
Sulphuric Acid	Ammonia
In carboys, net weight 180 lbs.	In carboys, net weight 85 lbs.
In standard cases, 10 9-lb. bottles.	In standard cases, 10 4-lb. bottles.

**J. T. BAKER CHEMICAL COMPANY**

Phillipsburg, N. J.

New York Representative: H. B. PRIOR

17 East 42nd Street

Phone: Vanderbilt 9490

## C. P. ACIDS and AMMONIA

Hydrochloric Acid, C. P.

HCl M. W. 36.46

Analysis

Sp. Gr. ....	1.18-1.19	Fe.....	.0002%
HCl.....	35.4-37.5%	As.....	Trace
SO <sub>2</sub> .....	None	N. V. M. ....	.002%
Cl.....	None		

Lot No. 12324

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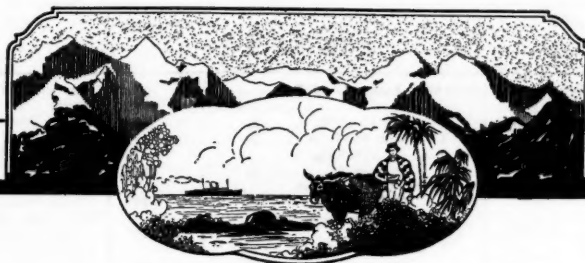
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Peroxide of Sodium  
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Soda Ash	Blue Vitriol	Carbonate of Potash
Castor Oil	Caustic Soda	Sodium Bicarbonate
Glycerine	Potash Salts	Sulphate of Ammonia
	Crude and Refined Sulphur	

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Materials of All Kinds**

## Chemicals

CAFFEINE ALK, USP 5 lb cans..D	3.50	: 3.75	CAMPOR, Amer. ref: 350 lb			Chalk, drop 175 lb bbls.....D	...	: .03 1/4
Second Hands.....D	3.45	: 3.50	bbls.....D	...	: .58	Precip. light 250 lb cks.....D	...	: .04 1/4
Hydrochloride, 1 lb bot.....D	6.05	: 6.55	2 1/4 lb slabs, 100 lb cs.....D	...	: .59 1/4	Precip. heavy 560 lb cks.....D	...	: .04
Sulfate, 1 lb bot.....D	5.40	: 5.90	1 lb cakes, 100 lb cs.....D	...	: .59 1/4	Bulk.....ton	5.00	: 5.00
Citrated, 35 lb cans.....D	2.90	: 3.10	1 oz. tab., 1 lb ctms.....D	...	: .93 1/4	Precip. English, 7 lb bags.....D	...	: .07 1/4
Hydrobromide, 1 lb bot.....D	4.65	: 4.90	100 lb cs.....D	...	: .94	Charcoal, Bone, see bone black		
CALCIUM Acetate, 150 lb bgs, c/l			1/4 oz. tab., 1 lb ctms.....D	...	: .94	Wood, powd. 100 lb bbls.....D	.04	: .05
100 lb.....D	...	: 3.00	100 lb cs.....D	...	: .94	Willow, powd. 100 lb bbls.....D	.06	: .07
Arsenate, 100 lb bbls. c/l wks..D	.10	: .14	Jap. ref., 2 1/4 lb slabs, 100 lb			China Clay, Dom., crude.....ton	6.00	: 8.00
Bromide, 100 lb cs.....D	...	: .50	cs.....D	.71	: .73	Washed & Ground.....ton	10.00	: 20.00
Carbide, 220 lb dr. c/l wks.....D	...	: .04 1/4	1 oz. tab., 100 lb cs. 1 lb			Imp., Filler Clay.....ton	16.00	: 18.00
Drums, 1c/l wks.....D	...	: .05	tins.....D	...	: .92	Coating.....ton	20.00	: 40.00
Carbonate, tech. 100 lb bags			1/4 oz. tab., 100 lb cs., 1 lb			Chloral Hydrate, USP 100 lb drs..D	.75	: .80
c/l.....100 lb	1.00	: 1.10	tins.....D	...	: .93	25 lb jars.....D	.83	: .85
USP, precip. 175 lb bbls.....D	...	: .04	Chinese ref. 2 1/4 lb slabs 100 lb			Chinoidin, 140 lb drs.....D	...	: .58
Chloride, solid, 650 lb drs. c/l			cs.....D	...	: .58	Chloramine-T, 5 lb bot.....D	1.25	: 2.50
f.a.h. NY.....ton	...	: 24.50	Crude, 100 lb cs.....D	...	: .60	Chloroform, 5 lb bot.....D	.55	: .75
Imp. shipment.....ton	...	: 25.00	Campbor, Monobrom, 100 lb cs..D	1.75	: 1.85	Chlorhydrin, Ethylene anhyd, 600 lb		
Gran., 350 lb drs. c/l f.a.h.			Caramel, 50 gal. bbls.....gal	.60	: .70	40% soln. 100 lb ctyrs.....D	.75	: .85
NY.....ton	...	: 30.50	Carbonatol. 250 lb bbls.....D	...	: .50	40% soln. 100 lb ctyrs.....D	.75	: .85
Flake 350 lb drs. c/l drs. f.a.h.			Carbon Bisulfide, 500 lb drs. 1c/l NY			CHLORINE, Liquid 3600 lb cyl.		
NY.....ton	...	: 30.50	c/l drums, NY.....D	...	: .06 1/4	c/l wks.....D	...	: .04 1/4
Anhyd., 350 lb drs. f.a.h. NY..D	.13	: .20	Carbon Black, 12 1/4 lb bags.....D	.13	: .15	Tank car lots, wks. Contract.....D	...	: .04 1/4
Glycophosphate, 250 lb bbls..D	1.50	: 1.60	Carbon Dioxide, Liquid, 20-25 c/l			100 lb cyl. c/l.....D	...	: .05 1/4
Hydrate, (see Lime)			Carbon Tetrachloride, 1400 lb drs.			100 lb cyl. 1c/l wks.....D	.06 1/4	: .07 1/4
Hypophosphite, USP, 25 lb cans..D	.60	: .65	NY.....D	.07 1/4	: .08	100 lb cyl. 1c/l ex-warehouse..D	.08	: .09
Iodide, 5 lb bot.....D	...	: 4.40	Drums, c/l NY.....D	.07	: .07 1/4	Chlorobenzene, mono. 1000 lb drs.		
Lactate, tech. 500 lb bbls.....D	...	: .13 1/4	700 lb drs. single NY.....D	.07 1/4	: .08	wks.....D	.10	: .11
U.S.P.....D	.50	: .60	Carmine, No. 40 5 lb boxes.....D	4.75	: 4.85	Dr. c/l wks.....D	.08	: .08 1/4
Nitrate, 220 lb bbls. c/l NY..ton	...	: 40.00	Casein, edib., 100 lb keg.....D	...	: .45	Tank car lots wks.....D	...	: .08
Phosphate, tech. 350 lb bbls..D	.09	: .10	Technical, 200 lb bbls.....D	.10 1/4	: .11 1/4	CHLOROFORM, USP 50 lb drs..D	...	: .35
Phosphate, precip. tribasic 300			Castoreum, 1 lb boxes.....D	4.00	: 4.50	Second Hands, 650 lb drs.....D	.33	: .54
lb bbls, wks.....D	.11	: .14	Castor Oil, USP 50 gal. bbls.....D	...	: .16	Technical, 650 lb drums.....D	.33	: .33
Phosphate, mono, 325 lb bbls..D	.07	: .08	Cases, 80 lb 2 tins.....D	...	: .17	Chlorophyll, Oil Sol.....D	2.50	: 2.75
Sulfocarbolate, 100 lb bags.....D	.55	: .57	Tech. see Fixed Oils			Water Sol.....D	3.75	: 4.00
Calomel, see Mercury			Caustic Potash, see potash, caustic			Chromium Acetate, 20% soln. 400 lb		
			Soda, see soda, caustic			bbls.....D	.07	: .08
			Cellulose Acetate, 100 lb cases..D	1.75	: 2.00	Fluoride, Powd. 400 lb bbls.....D	...	: .30
			Cerium Oxalate, USP 100 lb kegs..D	.35	: .38	Soln. 400 lb bbls.....D	...	: .30
						Chrysarobin, USP, 5 lb cans.....D	4.50	: 5.00
						Cinebiondite alk., powd. 100 oz. tins..D	...	: .60
						Crystal.....cs	...	: .65
						Sulfate, 100oz. tins.....cs	...	: 40

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obstacles which presented themselves.

**Electro Bleaching Gas Co.**  
PIONEER MANUFACTURERS OF LIQUID CHLORINE

Plant: NIAGARA FALLS, N.Y.

Main Office: 9 East 41st Street, New York

## Chemicals

Cinchonine alk., pvd. 100oz. tins	...	: .38	COPPER metal electrolytic c/l			Diethyl Sulfate tech. 50gal. drs. D	.30	: .25
Crystal	...	: .43	NY	100lb	12.37	CP drums	.40	: .50
Sulfate, 100 oz. tins	...	: .25	Lake, c/l NY	100lb	12.62	Digitalin, Pure, 1 oz. vial	9.75	: 10.25
Citric Acidment, see Mercury			Casting, c/l NY	100lb	...	Dimethylaniline, 840lb drs. wks. D	...	: .35 1/4
Coal Tar, See Tars			Carbonate, 400lb bbls.	...	: .16 1/4	Dimethylsulfate, 100lb drs.	...	: .50
Cobalt metal, 100lb kegs.	...	: 3.00	Chloride, 250lb bbls.	...	: .28	Dinitrobenzene, 400lb bbls.	.16	: .17
Cobalt Oxide, 500lb bbls.	...	: 2.10	Cyanose, 100lb drs.	...	: .45	Dinitrochlorobenzene, 400lb bbls.	.18	: .19
10lb tins, 200lb cars.	...	: 2.45	Iodide, 5lb bot.	...	: 5.65	Dinitronaphthalene, 350lb bbls.	.32	: .34
COCAINE alk., USP, 1 oz. vial.	...	: 10.00	Oxide, red 1600lb bbls. ton lots	...	: .16 1/4	Dinitrophenol, 350lb bbls.	...	: .40
Hydrochloride, USP—1 oz. vials,			Sub-Acetate, verd. 440lb bbls.	...	: .23	Dinitrotoluene, 300lb bbls.	.18	: .19
25 oz.	...	: 7.07	SULFATE, crys. 450lb bbls. le/l			Dionin, see Morphine, Ethyl		
In 1/2 oz. vials	...	: 7.50	spot	100lb	4.75	Diphenylamine, 250lb bbls.	.48	: .50
In crystals, granular, powder,			Carlota, bbls.f.o.b. NY	100lb	4.60	Diphenylguanidine, 170lb bbls.	1.10	: 1.15
or flaky crystals as desired.			Carlota, bbls. delivered	100lb	4.90	Dover's Powder, USP 5lb tins	2.30	: 2.30
Cocoa Butter, bulk, 200lb bales.	...	: .26 1/4	Imp. 550lb cks spot.	100lb	4.25	Duboisino Sulfate, 1 oz. vial	...	: 30.07
Fingers, cks, etc. 12lb bxs.	...	: .34	Powdered, 350lb 5 bbls.	...	: 5.75	EARTH, Diatomaceous, see Kieselguhr		
CODEINE alk., 1 oz. vial. 10 oz.	...	: 9.27	Copperas, bulk c/l wks.	...	: 16.60	Emetine alk., 15 gr. vial	...	: 1.30
lots	...	: 9.27	200lb bps. c/l wks.	...	: 18.00	Hydchloride, USP 1 oz. vial	17.00	: 17.50
Hydrobromide, 1 oz. vial, 10 oz.	...	: 7.42	400lb bbls. c/l wks.	...	: 20.00	15 gr. vials	...	: .75
lots	...	: 7.42	Powdered, bbls.	100lb	1.90	EPSON SALT, tech. 300lb bbls.		
Hydrochloride, 1 oz. vial, 10 oz.	...	: 8.27	Sugar, 400lb bbls.	100lb	1.25	NY	...	: 2.15
lots	...	: 8.27	Corn Syrup, 42 deg. 50 gal.	...	: 3.86	Bbls. c/l NY	...	: 2.00
Nitrate, 1 oz. vial. 10 oz. lots.	...	: 8.27	bbls.	100lb	...	100lb bps. c/l NY	...	: 1.75
Phosphate, 1 oz. vial, 10 oz.	...	: 6.97	42 deg. 50 gal. bbls.	100lb	...	Imp., 220lb bps. c/l	...	: 1.40
lots	...	: 6.97	44 deg. 50 gal. bbls.	100lb	...	NY	...	: 2.50
Salicylate, 1 oz. vial, 10 oz.	...	: 6.97	45 deg. 50 gal. bbls.	100lb	...	USP, 300lb bbls, 10 bbls.	...	: 2.15
lots	...	: 6.97	Corn Sugar, see Glucose	...	: 4.05	Carlota, bbls.	...	: 2.00
Sulfate, 1 oz. vial. 10 oz. lots.	...	: 7.42	Corrosive Sublimate, see Mercury Bichloride			Imported, 400lb bbls.	...	: 2.25
Small Sizes, 1/2 oz. vials, 50c extra,			Cotton Soluble, 100lb bbls. wet.	...	: .42	100lb kegs	...	: 6.00
1/4 oz. 30c extra, singles 7c extra			Commarin, 25lb tins	...	: 3.65	Ergotin, Bonjean, 1lb jars.	...	: 24.07
per oz.—25 oz. lots, 10c. cheaper			Second Hands	...	: 3.50	Eserine alk., 1 oz. vial	...	: 16.07
than above. Less than 10 ozs. 15c. oz.			CREAM TARTAR, USP, 300lb			Salicylate, USP 1 oz. vial	...	: 11.07
higher than above.			bbls.	...	: .21 1/4	Sulfate, USP VIII, 1 oz. vial	...	: .13
COD LIVER OIL, Norwegian, 30 gal.			Imp. powd. USP, 224 bbls.	...	: .29 1/4	ETHER, USP 55lb drums	...	: .16
bbls.	...	: 20.50	Cresote, USP, 42lb cys.	...	: .45	Anaesthesia, 55lb drums	...	: .40
Newfoundland, 30 gal. bbls. bbl	...	: .50	Carbonate, 1lb bot. 25lb	...	: 1.70	USP, 1880 55lb drums	...	: .32
Colchicine alk., USP 1 oz. vial.	...	: 15.07	Cresote oil, 50 gal. drs.	...	: .26	washed, 55lb drums	...	: .24
Salicylate, 1 oz. vial	...	: 15.07	Cresol, USP, 400lb drums.	...	: .23	Motor, 1lb cans	...	: .92
Cellodion USP 30lb drums	...	: .32	Cyanamide, bulk c/l wks. Amm. unit	...	: 1.90	Ether, Nitrous, 1lb bot.	...	: 1.35
			DIAMINOPHENOL, 160lb kegs.	...	: 3.80	Ethyl Benzyl Aniline, 300lb drs.	...	
			Dianisidine, 100lb kegs.	...	: 4.00			
			Dichlorobenzene, 1000lb drs.	...	: .06			
			Diethylaniline, 850lb drs.	...	: .58			
			Diethyl Phthalate, 25lb cars.	...	: .50			
			1000lb drs.	...	: .40			



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Cable Address: Lycurgus, N. Y.



## Chemicals

Ethyl Acetate, 99%, 50 gal. drs. gal	1.15	: 1.15	Gelatin, USP silver lbl. 100 lb. cs. lb	.78	: .62	Hydrastinine Hydrochloride, USP 15 gr. vial	...	: 1.60
85% Ester, 100 gal. drs. gal	...	: .95	Gold Label, 100 lb. cases	...	: .65	Hydrazobenzene 100 lb. kegs	...	: .38
Carlots, drums	...	: .92	Technical, 100 lb. cs.	...	: .60	HYDROGEN PEROXIDE, 25 vol. 400 lb. bbls.	...	: .10
Tanks Cars	...	: .90	CLAUSEN'S SALT, tech. 200 lb. bags	1.15	: 1.25	100 vol. 145 lb. chys.	...	: .38
Refined, drums	1.77	: 1.00	350 lb. bbls. c/l wks.	1.20	: 1.30	USP Soln. 375 lb. bbls.	...	: .05
Bromide 115 lb. drs.	...	: .40	Bbls. lc/l wks.	1.30	: 1.65	100 vol. 145 lb. chys.	...	: .48
Chloride, 15 lb. cyl.	...	: .35	Imported, bbls., spot.	...	: .95	USP Tot. 4 oz. cases	8.00	: 8.25
Methyl Ketone, 50 gal. drums	.25	: .25%	USP, 300 lb. bbls. imp. sp.	...	: 1.25	Bot. 8 oz. cases	11.75	: 12.00
Morphine, see Morphine, Ethyl	...		USP, 300 lb. bbls. dom. sp.	...	: 1.75	Bot. 16 oz. cases	19.75	: 20.00
Ethylene Bromide, 600 lb. drs.	...	: .60	USP, 300 lb. bbls. c/l wks.	...	: 1.40	Hydroquinone, 100 lb. kegs	1.40	: 1.60
Glycol	.65	: 1.00	Calced, see Sodium Sulfate	...		Hyocine Hydrobrom. USP 1 oz. vial	...	: 9.57
Chlorhydrin, anhyd. 50 gal. drs.	.75	: .85	Glucose, (Grape Sugar) dry, 100 70° bags, c/l NY	3.89	: 4.14	Five ozs., 1 oz. vials	...	: 9.00
40% Solution, 50 gal. bbls.	.25	: .30	Syrup, Drs. & bbls, c/l NY 100 lb	3.86	: 4.05	Hyocyanine Alk. Cryst., 1 oz. vial	...	: 20.07
Dichloride, 50 gal. drs.	.20	: .25	lc/l NY	3.96	: 4.15	Alkaloid, Amorphous, 1 oz. vial	...	: 75.07
Stavidenandiline	...	: .70	GLUE, pure white, bbls.	.22	: .26	Hydrobromide, USP 1 oz. vial	...	: 25.07
Eucalyptol, 25 lb. cans	.75	: .80	Medium white, bbls.	.20	: .24	Sulfate, 1 oz. vial	...	: 20.07
Feldspar, bulk	20.00	: 25.00	French, bbls.	.18	: .25	INDBL, C. P., 1 oz. bot.	6.00	: 6.50
FERRIC CHLORIDE, tech. crys.	...		High Grade, bbls.	.35	: .40	Iodides, see Potass. Iodide, etc.	...	
475 lb. bbls.	...	: .07	Bone, regular, bbls.	.10	: .12	IODINE, crude, 200 lb. kegs	...	: 3.79
Imported	...	: .08%	Fish, bbls.	1.50	: 1.75	Resublimed, 10 lb. jars	...	: 4.40
USP, crys. 100 lb. kegs	...	: .08	GLYCERIN, C. P. 550 lb. drums	.16%	: .17	Tincture, USP, 50 gal. bbls. gal	4.00	: 4.25
Imported	...	: .07%	Cans, 50 lb.	.18	: .18%	Carboys	4.30	: 4.40
Neut. Sol'n 40° 140 lb. chys.	...	: .06	Dynamite, 100 lb. drs.	.16	: .16%	Iodoform, powd. 10 lb. bot.	...	: 5.25
48°, 140 chys.	...	: .08	Saponification, tanks	.11%	: .12	Crystals, 10 lb. bot.	...	: 6.25
USP Sol'n 125 lb. chys.	...	: .05%	Soap, Lye tanks	.10%	: .11	Iridium, metal 100z lots	...	: 250.00
Ferrous Chloride, crys. tech.	...		Goa Powder, see chrysarobin	...		Iron, metal by hydrogen 1 lb. bot.	.80	: 1.00
475 lb. bbls.	.06	: .06%	Graphite, crude 220 lb. bags	15.00	: 35.00	IRON & AMM. CITRATE, USP 25 lb. cans	...	: .79
Ferrous Sulfide, 1000 lb. bbls. 100 lb	2.50	: 3.00	Flake, 500 lb. bbls.	.05	: .09	Green scales, 25 lb. cans	...	: .79
Flake White, see lead, white	...		Ground, lump, bbls.	.04	: .05	Carbolyte, 10 lb. bot.	6.60	: 6.75
Fluorspar, 95% 220 lb. bgs ex-dock	...	: 25.00	Guaiacol liquid, USP, 25 lb. cans	2.35	: 2.45	Citrate, USP VIII 25 lb. cans	.99	: 1.01
96% bgs.	...	: 33.50	Benzate, 1 lb. bot.	...	: 18.00	Chloride, see ferric or ferrous	...	
98% bgs.	...	: 25.00	Carbonate, 5 lb. boxes	4.60	: 4.75	Hypophosphite, 5 lb. cans	1.50	: 1.60
FORMALDEHYDE, USP 400 lb. bbls. c/l wks.	.09	: .09%	Second Hands	3.60	: 3.75	Syrup, USP VIII	...	: .30
Carboys, 100 lb. lc/l wks.	.10	: .10%	HAARLEM OIL, Dom. 6 gr. cs. gross	...	: 3.50	Iodide, 1 lb. bot.	...	: 4.28
Bbls., 400 lb. lc/l wks.	.09%	: .10	Imported, 5 gr. cases	4.50	: 4.70	Syrup, USP, 5 lb. bot.	.35	: .36
Second Hands	...	: .10	Halazone, 5 lb. bot.	2.75	: 3.25	Nitrate, kegs	.09	: .16
Food Flour	...	: .04	Hexamethylenetetramine, USP 100 lb. drums	.75	: .77%	Com'l, bbls.	2.75	: 3.25
Formaline	...	: .50	Imported	.65	: .67	Oxalate scales 25 lb. cans	.85	: .88
Puller's Karth, 200 lb. bgs. c/l	...		Rubber Makers, Impalp. Pd.	...		Oxide red, Spanish	.03%	: .07%
mines	15.00	: 17.00	Homatropine Hydrobrom. USP 1 oz. vial	.82%	: .85	& Ammon. Oxalate 25 lb. bgs.	.42	: .45
Imported, 230 lb. bgs NY	35.00	: 40.00	Five ozs., 1 oz. vials	...	: 14.57	& Potassium Oxalate 25 lb. bgs.	.45	: .47
Furfural, 300 lb. bbls.	.25	: .30	Hydrastine Alk., USP, 1 oz. vial	14.00	: 14.57	& Sodium Oxalate 25 lb. bgs.	.41	: .43
Fusel Oil, refined, 50 gal. drum	2.75	: 3.25	Hydrochloride, USP, 1 oz. vial	...	: 14.57	Phosphate, USP 25 lb. cans	.79	: .81
Crude, 50 gal. drum	1.85	: 2.00	Sulfate, 1 oz. vial	...	: 16.07	Pyrophosphate, USP 25 lb. cans	.84	: .86
G SALT, paste 350 lb. bbls. baste	...		...	...		...	...	
100%	.60	: .65	...	...		...	...	

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Plants: Terre Haute, Ind. and Peoria, Ill.

## Chemicals

JALAP RESIN, lump 5 lb tins..lb	3.25	: 3.35	Linalool, 5 lb bot.....lb	6.25	: 6.75	Manganese—(continued)		
Powd. tins.....lb	3.40	: 3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins....lb	...	: 3.10
Kapoc, 200 lb double bales....lb	.24	: .26	Lithium Carb. USP, 100 lb kgs..lb	1.50	: 1.60	Hypophos. USP VIII 5 lb cans..lb	...	: 1.40
KIESELGUHR, 95 lb bags NY...ton	60.00	: 70.00	Bromide, 100 lb cs.....lb	1.75	: 1.85	Iodide, 1 lb bot.....lb	...	: 6.65
LANOLIN, see Adeps Lanee			Citrate, USP, 100 lb kgs....lb	1.70	: 1.75	Ore, bulk, NY.....unit	.40	: .45
LEAD, metal c/1 NY.....100 lb	6.95	: 7.00	Iodide, 5 lb bot.....lb	...	: 7.50	Sulfate, 600 lb casks NY....lb	...	: .08
Acetate, white crystals 500 lb			Lithopone, 400 lb bbls, 1c/l wks..lb	...	: .06%	Marble Flour, bulk.....ton	10.00	: 12.00
bbls. wks.....lb	...	: .14%	Bbls. c/1 wks.....lb	...	: .06%	See also Calcium Carbonate		
100 to 250 lb kgs. wks..lb	...	: .15	Bags, c/1 wks.....lb	...	: .06%			
White, broken, bbls, wks.100 lb	...	: 13.90	Imported, 400 lb bbls.....lb	...	: .05%			
White, gran., bbls, wks.100 lb	...	: 14.15	Litmus Cubes.....lb	.90	: 1.00			
White, powd., bbls, wks.100 lb	...	: 15.25	MAGNESITE, crude.....ton	...	: 15.00			
Keps, wks.....lb	...	: .15%	Calcined, 500 lb bbls.....ton	...	: 55.00			
Brown, broken, bbls, wks..lb	...	: .13%	Magnesium mtl., sticks 100 lb cs..lb	1.25	: 1.30	MENTHOL, USP, 60 lb cases....lb	...	: 10.75
USP, 100 lb kgs.....lb	...	: .16%	Carb. tech. 70 lb bags NY....lb	.08	: .08%	Less cases, 5 lb tins.....lb	...	: 11.25
Arsenate, 100 lb bbls, 1c/l wks..lb	.21	: .26	75 lb bbls, NY.....lb	.09%	: .10%	Domestic, USP, 60 lb cases...lb	11.00	: 11.25
Bbls. c/1 wks.....lb	.19	: .20	USP, 60 lb bbls.....lb	.13	: .14	MERCURY, metal 75 lb flask..flask	73.00	: 74.50
Paste, 100 & 600 lb bbls..lb	.10	: .15	USP, blocks 100 lb cs. 1, 2, 4	...	: .23	Less Flasks, 5 lb jugs....lb	...	: 1.10
Iodide, USP VIII 5 lb bot.....lb	3.20	: 3.40	ozs.....lb	.19	: .23	Bichloride, cryst. 25 lb bxs...lb	...	: 1.13
Nitrate, 500 lb bbls, wks..lb	...	: .12	Chloride, fused 575 lb dra. c/1	...	: 34.00	Gran. powd., 200 lb kgs..lb	...	: .98
Oxide, lithge, 500 lb bbls..lb	...	: .10	wks.....lb	...	: 34.00	Bisulfate, 25 lb oxides.....lb	...	: .98
100 lb kgs, wks.....lb	...	: .11%	Flaked, 350 lb dra. wks c/1 ton	...	: 36.00	Blue Mass, 25 lb boxes.....lb	...	: .66
Oxide, red 500 lb bbls, wks..lb	...	: .10	Imp., fused 900 lb bbls NY ton	26.00	: 28.00	Powdered, 25 lb boxes.....lb	...	: .68
100 lb kgs, wks.....lb	...	: .09%	Fluossilicate, crystals 400 lb bbls	...	: .12	Blue Ointment, USP 25 lb cans	...	: .81
Peroxide, 100 lb dra.....lb	.25	: .30	wks.....lb	.12	: .15	50%.....lb	...	: .81
White, basic carb. 500 lb bbls	...	: .09%	30% soln. 500 lb bbls, wks..lb	.07	: .07%	USP, dilute 25 lb cans 30%..lb	...	: .61
wks.....lb	...	: .09%	Soln. bbls. c/1 wks.....lb	...	: .06	33 1/3% Mercury.....lb	...	: .69
Bbls. c/1 wks.....lb	...	: .14%	Glycerophosphate, 5 lb tins..lb	...	: 3.40	Calomel, 50 lb bxs.....lb	...	: 1.22
100 lb kgs wks.....lb	...	: .08%	Hypophosphite, 5 lb cans.....lb	...	: 1.05	Citrine Ointment 25 lb jars..lb	...	: .51
White, sulfate 500 lb bbls, wks..lb	...	: .08%	Oxide, USP light 100 lb bbls..lb	...	: .42	Iodide, green 25 lb jars....lb	...	: 4.10
Bbls. c/1 wks.....lb	...	: .08%	USP, heavy 250 lb bbls....lb	...	: .50	Red, USP 25 lb jars.....lb	...	: 4.20
Licorice Ext. Mass, cases.....lb	.25	: .26	Peroxide, 5 lb cans.....lb	...	: 2.40	Yellow, USP VIII 25 lb jars..lb	...	: 4.10
Compound powder, bbls.....lb	.11	: .13	Perborate, 1 lb tins.....lb	...	: 2.62	Oxide, Yellow, USP, 25 lb. bxs lb	...	: 1.68
F powdered.....lb	.38	: .40	Salicylate, 100 lb kgs.....lb	.70	: .75	Red Precip. USP, 25 lb bxs...lb	...	: 1.38
Sticks, 1 oz. 100 lb cases....lb	.45	: .50	Sulfate, see Epsom Salts			Powder, USP 25 lb bxs.....lb	...	: 1.48
LIME (Salts, see Calcium Salts)			Manganese Chloride, 600 lb csk.	...	: .08%	White Precip. USP 25 lb bxs..lb	...	: 1.34
Live, 325 lb bbls. ton lots, wks..lb	...	: .01%	NY.....lb	...	: .24	Powdered, USP 25 lb bxs....lb	...	: 1.39
Single bbl. wks.....lb	...	: .01%	Borate, 30%, 200 lb bbls....lb	...	: .25	With chalk, USP 25 lb bxs...lb	...	: .66
Hydrated, 187 lb bbl, ton lots,	...	: .01%	100 lb kgs.....lb	...	: .25	Meta-Nitraniline.....lb	.78	: .80
wks.....lb	...	: .01%	Dioxide, 80-84% 900 lb bbls.	...	: 80.00	Meta-Nitro-para-Toluidine, 300 lb	...	: 2.20
Single bbl. wks.....lb	...	: .01%	NY.....lb	...	: 85.00	bbls.....lb	.90	: .95
Oyster Shell, 150 lb bbl. single..lb	...	: .03%	85-90%, 900 lb bbls, NY ton	85.00	: 90.00	Meta-Phenylenediamine, 300 lb	...	: .95
125 lb bag.....lb	...	: .03%	Hydrated, precip. 100 lb kgs..lb	.15	: .20	bbls.....lb	.82	: .85
Sulfur, dry 200 lb dra. NY....lb	...	: .08%						
Sulfur, c/1 NY.....lb	...	: .08						
33% Soln. 50 gal. bbls, NY gal	.15	: .16						

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## Chemicals

<b>METHANOL (Wood Alcohol)</b>			Musk Ambrette, 1 lb cans.... lb			15.00	16.00	Ortho-Toluidine, 350 lb bbls.... lb			.13	.15
95%, tanks	gal	.67	NAPHTHA, Solvent, 110 gal. dra.					Orgall, USP, 5 lb bot.... lb			3.00	3.00
Drums, c/l	gal	.70	wks.			.30	.31	Purified, 5 lb bot.... lb			1.50	2.50
Drums, 1c/l	gal	.72	8000 gal. tank cars wks. gal			.25	.26	Crude, 5 lb bot.... lb			.80	1.25
97% tanks	gal	.69	<b>NAPHTHALENE, Flaks, 175 lb bbls.</b>					<b>PALLADIUM, metal 10 oz. lots. oz</b>			75.00	76.00
Drums, c/l	gal	.72	wks.				.06	Pancreatin, USP 5 lb bot.... lb			1.25	1.40
Drums, 1c/l	gal	.74	Bbls. c/l wks.				.05 1/2	Papain, 10 lb bot. USP, Powd.... lb			2.15	2.25
Pure, Acetone free, tks.	gal	.75	Bbls., second hands NY.... lb				.05 1/2	Crude, 150 lb cases.... lb			1.80	1.85
Drums, c/l	gal	.77	Balls, 250 lb bbls. wks.... lb				.07	Parafin, run'd 300 lb cs. slabs				
Drums, 1c/l	gal	.80	Bbls., c/l wks.				.06 1/2	123-127 Deg. M. P. .... lb			.05 1/2	.08
Wks. incl. 5c higher			Bbls., second hands NY.... lb				.06 1/2	128-132 Deg. M. P. .... lb			.05 1/2	.06 1/2
Methyl Acetone, 100 gal. drums. gal	.75	.80	Crushed, chipped, bags, wks.... lb				.05	133-137 Deg. M. P. .... lb			.06 1/2	.07
Tanks, cars	gal	.70	Crude, imp., bags.... lb				.02 1/2	138-140 Deg. M. P. .... lb			.07 1/2	.07 1/2
Chloride, 90 lb cyl.... lb		.50	Nickel Metal, electrolyte 100 lb					Para-Aminocetanilid, 100 lb				
Salicylate, USP, 50 lb cases.... lb		.47	kgs.				.30	kgs.			1.10	1.15
500 lb drums.... lb		.45	Ingot, 100 lb kgs.... lb				.29	Para-Aminophenol, 100 lb kgs.... lb			1.15	1.25
Second Hands, cases.... lb		.44	Salt, single 400 lb bbls. NY.... lb				.11	Hydrochloride, 100 lb keg.... lb			1.35	1.40
Methylene Blue, tech. 100 lb kgs. lb	1.25	1.50	Double, 400 lb bbls. NY.... lb				.10	Para-Dichlorobenzene, 150 lb bbls.				
USP, medicinal 5 lb cans.... lb	2.00	2.30	Oxide, 100 lb kgs NY.... lb				.40	wks.			.17	.20
Miehler's Ketone, 225 lb bbls.... lb		3.75	Sulfate, 450 lb bbls.... lb				.07	25-50 lb kgs.... lb			.18	.22
Milk, powd. 150 lb bbls.... lb	.14	.15	Nicotine, Free 40%, 8 lb tins.... lb				1.35	Paraldehyde, 100 gal. drs.... lb				.48
Milk Sugar, see sugar of milk			Sulfate, 10 lb tins, 40%.... lb				1.10	Paraformaldehyde, USP 100 lb cs. lb			.42 1/2	.45
Mineral Oil, see oil mineral			Nitrate cake, bulk wks.... ton				5.50	Para-Nitroacetanilid, 300 lb				
Mineral Rubber..... ton	35.00	75.00	500 lb bbls.... ton				13.00	bbls.			.55	.60
Monocetine, 100 gal. drums.... lb		.50	Nitrobenzene, crude, 1000 lb drs.					bbls.				
Monochlorobenzene, see chlorobenzene			wks.				.09	<b>PARA-NITROANILINE, 300 lb bbls.</b>				
Monomethyl paradiophenol sulfate			Redistilled, 1000 lb drs. wks. lb				.09 1/2	wks. ton			.68	.73
100 lb drs.... lb	3.95	4.20	Nitronaphthalene, 550 lb bbls.... lb				.20	Para-Nitrochlorobenzene, 1200 lb drs.				
MORPHINE Sulfate, USP 5 oz. tins			Nitrotoluene, mixed 1000 lb drs.					wks.			.20	.30
10 oz. .... oz		6.95	wks.				.14	Para-Nitro-ortho-Toluidine, 300 lb				
Acetate, 5 oz. tins 10 oz. lots. oz		6.95	Ochre.... lb				.03 1/2	bbls.			2.75	2.85
Hydrobromide, 5 oz. tins 10 oz. lots		6.95	Oil Fuel, see Fuel Oil					Para-Nitrophenol, 185 lb bbls.... lb			.70	.75
Hydchlide, 5 oz. tins 10 oz. lots		6.95	OIL MINERAL, wh. 50 gal. bbls. gal			1.00	1.25	Para-Nitrosodimethylaniline, 120 lb				
Diastyl Alk., 1/4 oz. via. 10 oz.		10.75	Opium, see crude drugs					bbls.				.95
Hydchlide, 1/4 oz. via. 10 oz. via. 10 oz.		9.75	Orange Mineral, 800 lb casks NY. lb				.14 1/2	Para-Nitrotoluene, 370 lb bbls.... lb				.47
Ethyl Hydchlide, 1/4 oz. via. 10 oz.		10.95	500 lb bbls. NY.... lb				.14 1/2	Para-oxy Benzaldehyde, 100 lb				
Small Steels: 1/4 oz. vials, 50c extra;			Ortho-Aminophenol, 50 lb kgs.... lb			2.40	2.50	kgs			1.50	1.60
1/4 25c extra; single oz. via. 7c ex.			Ortho-Amididine, 100 lb drs.... lb				3.00	Para-Phenetidin, 500 lb drs.... lb			1.55	1.80
tra, over price for 5 oz. tins. 25 oz.			Ortho-Dichlorobenzene, 1000 lb drs.					bbls.			1.35	1.40
lots in 5 oz. tins, 10c. lower than			wks.				.06	Para-Toluene-Sulfonamide, 175 lb				
above schedule. Low than 10 oz. lots			Ortho-Nitrochlorobenzene, 1200 lb				.35	bbls.			.40	.41
15c. or. higher than above schedule.			drs. wks.				1.00	Para-Toluene-Sulfonchloride, 410 lb				
			Ortho-Nitrophenol, 350 lb.... lb					bbls. wks.			.13	.20
			Ortho-Nitrotoluene, 1000 lb drs.				.10	Para-Toluidine, 350 lb bbls. wks. lb			.80	.88
			wks.				.11					

# NITRATE POTASH

DOUBLE REFINED CRYSTALS  
GRANULATED OR POWDERED



**BATTTELLE & RENWICK**

Estb. 1840

Incp. 1902

80 Maiden Lane, New York, N. Y.

# WHITING DOMESTIC AND IMPORTED GAS CARBON BLACK DENATURED ALCOHOL

SPOT STOCKS CARRIED

**INDUSTRIAL CHEMICAL CO.**  
200 Fifth Avenue NEW YORK



## Chemicals

<b>PARIS GREEN</b>			<b>Piperazine Hydrate, 1 lb bot....D</b>			<b>POTASSIUM—(Continued)</b>		
Arsenic Basis, 500 lb kegs....D	.25	: .30	Piperidine, 25 oz.....oz	1.10	: 1.25	Chlorate, crys. 112 lb kegs. c/l		
Kegs, 100 lb.....D	.32	: .33	Pitch, Coal-Tar, wks.....ton	24.00	: 26.00	Wks. 112 lb kegs NY....D	.08%	: .08%
Kits, 56, 28, 14 lbs.....D	.34	: .35	Plaster Paris, tech 250 lb bbls.bbl	...	: 3.30	Imp. 112 lb kegs NY....D	.08%	: .08%
Packages, 5 and 2 lbs.....D	.36	: .37	True Dental, 300 bbls.....bbl	...	: 4.50	Powd., 112 lb kegs wks....D	.08%	: .09
Packages, 1 lb, 1/2, 1/4 D....D	.39	: .43	Platinum, metal soft 10 oz. lots..oz	...	: 117.00	Imp., kegs NY.....D	.08%	: .07
Paris White, see whitening, French			Podophyllin, 5 lb bot.....D	5.75	: 6.00	Pyrotechnic, fine powd. NY..D	...	: .08%
Pepsin, USP 5 lb bot.....D	2.25	: 2.50	Second Hands.....D	5.65	: 5.70	USP, fine crys. 110 lb kegs		
<b>PETROLATUM</b> , green 300 lb bbls.D			<b>POTASH, CAUSTIC, solid 88-92%</b>			NY.....D	.08	: .09
Dark Amber, 300 lb bbls.....D	.02%	: .03	700 lb drs. wks.....D	...	: .07%	Citrate, USP 10 lb cans.....D	.63	: .66
Light Amber, 300 lb bbls.....D	.04%	: .05	Imp., 88-92% 700 lb drs. NY..D	.06%	: .07	Cyanide 110 lb cases.....D	...	: .65
Cream White, USP 300 lb bbls.D	.07	: .07%	USP, by alcohol 5 lb cans....D	.46	: .48	Glycerophosphate, 75% Soln. 25 lb		
Lily White, USP, 300 lb bbls.D	.09	: .09%	cases.....D	.30	: .35	tins.....D	1.60	: 1.70
Snow White, USP, 300 lb bbls.D	.12%	: .13	<b>POTASSIUM Acetate, USP, 100 lb</b>			Gualacol Sulfonate, 5 lb cans,		
Phenol, see also acid carbolle			kegs.....D	.29	: .30	10 lb.....D	2.00	: 2.25
American makers, drums wks..D	.26	: .32	Bicarbonate, crys. 220 lb bbls.D	.12	: .13	Hypophosphite, 10 lb cans....D	.80	: .85
Open market, drs.....D	.26	: .30	Bichromate, crys. 900 lb casks..D	.09%	: .09%	Iodide, USP, 100 lb cases....D	3.60	: 3.65
240 lb des drs. wks.....D	...	...	Powd., 900 lb casks wks....D	...	: .12	Second Hands, cases.....D	3.50	: 3.60
Natural, 240 lb des drs. wks..D	...	...	Binoxalate, 300 lb bbls.....D	.25	: .28	Lactophosphate, 4 oz bot.....oz	...	: .90
Imported, 336 lb des drs.....D	...	...	Import, 112 lb keg.....D	...	: .18	Metabisulfite, 300 lb bbls....D	.18	: .20
Phenolphthalein, USP, 100 lb drs.D	1.40	: 1.50	Bisulfate, C.F., 5 lb cans....D	...	: .30	Imp., 550 lb bbls....D	.10	: .12
5 lb cans, 100 lb lots.....D	1.50	: 1.60	100 lb kegs.....D	...	: .22	Muriate, 80%, 200 lb bags, NY		
Phenyl-Alpha-Naphthylamine 100 lb			kegs.....D	...	: .75	K <sub>2</sub> O unit.....D	...	: .61%
kegs.....D	...	...	Bromate, 100 lb cs.....D	...	: .38	Nitrate, see Saltpetre		
Phenylethylalcohol, 1 lb bot....D	6.75	: 8.75	Granular, 300 lb bbls.....D	...	: .38	Oxalate, neutral, 100 lb kegs..D	.35	: .40
Imported.....D	7.75	: 9.75	Cases, 100 lb.....D	...	: .39	Perchlorate, 112 lb kegs....D	.09%	: .10
Phosgene, 100 lb cylinders.....D	...	: 1.00	Imported, USP, 220 lb cs....D	.24	: .26	<b>PERMANGAN.</b> USP, crys. 500 lb		
Phosphorus Oxyschloride, 175 lb cyl.D	.35	: .40	<b>CARBONATE, 80-85% calc.</b>			& 100 lb drs. wks....D	.14	: .14%
Phosphorus, red 110 lb cs. wks..D	.75	: .85	800 lb cks.....D	.05%	: .05%	Imp. 112 lb drs.....D	.14	: .15
Imported, 112 lb cases.....D	...	...	80-85%, hydrated, 800 lb			Prussiate, red, 100 lb bbls....D	...	: .43
Yellow, 110 lb cs. wks.....D	.40	: .45	cks.....D	.05%	: .06	500 lb casks.....D	.38	: .40
Imported, 112 lb cases.....D	...	...	90-95% calc. casks.....D	.05%	: .06	Prussiate, yellow, 500 lb casks.D	.18	: .18%
Phosphorus Trichloride, 175 lb cyl.			96-98% calc. casks.....D	.05%	: .06%	Salicylate, 25 lb cans.....D	.60	: .65
wks.....D	...	: .45	99% calc. casks.....D	.07	: .07%	Sulfate, 200 lb bags, NY.K <sub>2</sub> O unit	...	: .85
Phthalic Anhydride, 100 lb bbls.D	...	: .30	USP, 100 lb kegs.....D	.12%	: .13	USP, VIII, 100 lb kegs....D	.15	: .18
Pilocarpine Hydrochloride, USP 25 oz.			99% CP casks.....D	.12	: .12%	Sulfocyanide, CP 25 lb jars..D	...	: .50
lots, 1 oz vials.....oz	3.00	: 3.32				Tartrate, neutral, 100 lb kegs.D	...	: .51
Nitrate, 25 oz.....oz	...	: 3.00				Titanium Oxalate 200 lb bbls.D	.25	: .30
Single ounces.....oz	...	: 3.52						
Alkaloid, 15 gr. vls.....ea	...	: .85						

Largest producers of Pure Phthalic Anhydride in the world



# SELDEN

99.99+ % Pure.

## Brand PHTHALIC ANHYDRIDE

is the Product by which all other  
Brands may be Standardized.

# IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

**THE SELDEN COMPANY**  
Pittsburgh, Pa., U. S. A.

## Chemicals

Pumice Stone, lump, 250 lb bbls. lb	.04%	.06
Lump, bags	.03%	.05
Powdered, 250 lb bbls. lb	.02%	.03
Pyridine, 50 gal. drums. gal	4.00	4.10
QUICKSILVER, see Mercury		
Quinidine Alk., 1000s tins. oz		.75
Sulfate, 1000s tins. oz		.50
Quinoidine, see Chinoidin		

QUININE SULFATE, USP,		
American, 1000s tins. oz		.50
los tins, 1000s lots. oz		.57
Dutch, 1000s tins. oz		.50
Java, 1000s tins. oz		.50
Japanese, 1000s tins. oz		.50

QUININE SULFATE, USP,		
Acetate		.88
Arsenate		.88
Bismutate		.88
Chloride, USP		.50
Citrate		.62
Dibychlide, USP		.66
Dibromide		.66
Dicarbonate, 1000s tins. oz		2.50
Ethyl Carbonate, 160s tins. oz		.91
Ferrocyanide		.88
Formate		.85
Glycerophosphate		.88
Iodide		.88
Hydrobromide, USP		.62
Hydrochloride, USP		.62
Hydrochlorosulfate		.66
Hydchlide & Urea, USP		.88
Hypophosphite		.83
Lactate		.78
Phenolsulfonate		.88
Phosphate		.74
Salicylate, USP		.63
Tannate, USP		.45

QUININE—(continued)		
Tartrate		.88
Valerate		.89

Small Sizes: 1oz vials or cans, 500s lots, 5c oz extra; 500s cans, 500s lots 3c oz extra; 250s cans, 500s lots, 2c oz extra; single 1oz vials or cans, 5c extra. All minor quinine salts sold and quoted basis 1000s lots in 1000s cans. Sulfate and bisulfate sold basis 1000s lots in 1000s cans. Smaller orders or customers extra as above schedule.

R SALT, 250 lb bbls. wks. lb	.49	.50
Red Lead, see lead oxide		
Red Precipitate, see mercury		
Resorcin, see resorcinol		
Resorcinol tech, 100 lb bags. lb	1.35	1.50
USP, 25 lb cans. lb	2.25	2.35
Rochelle Salt, USP, 225 lb bbls. lb	.30	.21
Imp. USP, 300 lb bbls. lb	.19%	.20
Rosewater, triple, 5 gal. demis. gal	.90	1.10
Rotten Stone, lump imp., bbls. lb	.07	.08
Lump selected, bbls. lb	.09	.12
Powdered, bbls. lb	.03	.05
Domestic, bags, minos. ton	24.00	30.00
SACCHARIN, USP, 1 lb cans, 25 lb		
Soluble, USP, 1 lb cans, 25 lb. lb	1.90	2.10
Sal Ammoniac, see Ammon. Chloride		
Salicin, USP, 1 lb cartons, 25 lb. lb	4.50	4.75
Salol, USP, 100 lb drums. lb	.75	.80
Salt, Common, see sodium chloride		
Salt Cake, c/l f.o.b. wks. ton	20.00	24.00
SALTPETRE, Double Refined		
Granular, 400-500 lb bbls.		
c/l wks. lb	.06	
Less c/l works. bbls. lb	.06%	
Large Crystals, 350-400 lb bbls.		
c/l wks. lb	.07%	
Small Crystals, 350-400 lb bbls.		
c/l wks. lb	.07	
Powdered, bbls, c/l wks. lb	.07	
Imported, 500 lb bbls., NY. lb	.06%	

Santonin USP, 1 lb bot. lb	143.00	148.00
Powd. 1 lb bot. lb	148.00	150.00
Saponin, ex Quilla's, 5 lb tins. lb	.90	1.10
Satir White, 500 lb bbls. lb		.01%
Schaeffer's Salt, 250 lb bbls. wks. lb	.60	.65
Scopolamine, see hyoscine		
Scopoliz Mixture, 22 lb bbls. lb	.17	.18

SILICA		
Crude, bulk, maues. ton	10.00	12.00
Refined, floated, bags. ton	18.00	30.00
Air floated, bags. ton	32.00	50.00
Extra, floated, bags. ton	55.00	65.00

SILVER, metal, American		
Foreign		.99%
Colloidal, 160z bot. oz		2.80
Silver Iodide, 160z bot. oz		.69
Nitrate, USP, 200oz bot. oz	.45	.46
Nucleinate, 160z bot. oz	.34	.38
Proteinale, 160z bot. oz	.34	.38
Soap, Castile, 40 lb bbs. lb	.20	.25
Powd. USP, 250 lb bbls. lb	.28	.29
Green, USP, 150 lb kegs. lb	.07	.07%
Soapstone, see Talc, crude		

SODA ASH, 58% light		
1-4 bags, deliv'd NY. 100 lb		2.19
5 & Up bags, deliv'd NY. 100 lb		2.04
1-4 bbls., deliv'd NY. 100 lb		2.44
5 & Up bbls., deliv'd NY. 100 lb		2.29
Contract, Basis 58% bags c/l wks.		
Prompt and spot, Basis 58% bags c/l wks.		1.48
Contract, Basis 58% dense bags c/l wks.		
Prompt and spot, Basis 58% bags c/l wks.		1.55
SODA, CAUSTIC, 76% solid		
1-4 drums deliv'd NY. 100 lb		3.91
5 & Up drums deliv'd NY. 100 lb		3.76
Ground & Flake, 76%		
1-4 drums, deliv'd NY. 100 lb		4.31
5 & Up drums deliv'd NY. 100 lb		4.16
1-4 bbls. deliv'd NY. 100 lb		4.56
5 & Up bbls., deliv'd NY. 100 lb		4.41
Contract basis 76% c/l wks.		8.10

## A Record for Quality Founded upon Performance

**D**IAMOND products have attained an enviable position among consumers of quality Alkalies. A record for performance has been responsible for the increasing demand for—not just Alkalies, but Diamond Alkalies.

Diamond Alkalies are *actually* guaranteed. They have set a standard which users recognize and value for the knowledge it gives them that they are using Alkalies of the highest quality. When you specify "Diamond" you depend upon quality.



**[ Diamond Caustic Soda  
is guaranteed  
over 98% pure ]**



The Trademark  
of Quality  
in Alkalies

Manufactured & Sold  
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**Diamond Alkali Company**  
Pittsburgh • Penna



**T**HE pioneer in the ALKALI industry, established the standards for the trade, and more important, has maintained them for over four decades, together with an up-to-the-minute service in sales, delivery and technical advice.

That is SOLVAY.

**Solvay 58% Soda Ash**

Dense—Light—Extra light (Fluf)

**Solvay 76% Caustic Soda**

Solid—Flake—Ground

**Solvay Super Alkali**

**Solvay Snow Flake Crystals**

**Solvay Laundry Soda**

**Solvay Cleansing Soda**

**Solvay Tanners Alkali**

**Solvay Tanners Soda**

**Solvay Liquid Caustic Soda**

**Solvay Calcium Chloride 73%—75%**



## **The Solvay Process Company**

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## Chemicals

## SODA CAUSTIC—(Continued)

Puget. and spot, Basis 76% e/l wks. ....100lb	...	3.36
Contract 74% low grade c/l wks flat ....100lb	...	3.03
Ground & flake, 76% puget. and spot, wks c/l drs. ....100lb	...	3.60
Contract, 76% drums, c/l wks flat ....100lb	...	3.50
USP, stick, 10 lb cans. ....lb	.19	.31
Pure, stick, by alcohol. ....lb	.25	.37
SODIUM ACETATE, crys. 450 lb bbls		
wks. ....lb	...	.05%
Car lots, bbls, wks. ....lb	...	.05
Aluminate, 500 lb bbls, wks. ....lb	.07%	.08
Aluminum Sulfate, see alum soda		
Arsenite, 4 lb mat, wks. drums gal	.50	.60
Drums, 8 lb material, wks. gal	1.20	1.50
Benzate, USP, 100 lb bbls. ....lb	.65	.88
Bicarbonate, 400 lb bbls, NY. ....100lb	...	2.25
Bbls. c/l wks. ....100lb	...	2.00
112 lb kegs wks. ....100lb	...	2.25
112 lb kegs, NY. ....100lb	...	2.50
Bichromate, 600 lb casks wks. ....lb	...	.07%
Casks, c/l wks. ....lb	...	.07%
Casks, NY. ....lb	.07%	.07%
Risulfite, dry powder, 500 lb bbls, wks. ....lb	.04	.04%
Solution, 32-40°, 500 lb bbls. wks. ....100lb	1.25	1.75
Bromate, 100 lb cs. ....lb	...	1.05
BROMIDE, USP, 450 lb bbls. ....lb	...	.58
Cases, 50 lb. ....lb	...	.89
Imp. USP, 112 lb cs. ....lb	.34	.36
Carodylate, USP, 5 lb. bot. 25 lb. ....lb	5.50	5.90
Carbonate, sal soda, 350 lb bbls. le/l NY. ....100lb	1.30	1.35
Works c/l. ....100lb	1.16	1.30
Monohydrate, 400 lb bbl. le/l NY. ....100lb	...	2.40
Pure photographic, 100 lb keg. ....lb	.08	.08
Chlorate, 112 lb kegs, wks. ....lb	.06%	.06%
Imported, 112 lb kegs. ....lb	.06%	.07

## SODIUM—(Continued)

Chloride, tech. 200 lb bags. ....ton	12.00	13.00
C. P., 300 lb bbls. ....lb	.05	.08
Chromate, 800 lb bbls. ....lb	...	.08
Citrate, USP, IX, 100 lb kegs. ....lb	.62	.66
USP, VIII, 100 lb kegs. ....lb	.55	.59
Cyanide, 96-98%, 100 lb cases wks. ....lb	...	.22
Ton lots, wks. ....lb	...	.22
73-76%, 100 lb cases, wks. ....lb	...	.19%
125-128%, 200 lb cs. ....lb	.20	.20%
120-125%, 200 lb cs. ....lb	.16	.17
118-126%, 200 lb cs. ....lb	...	.18
Fluoride, 300 lb bbls, wks. ....lb	.08%	.08%
Imp. 350 lb bbls. ....lb	.08%	.08%
Glycerophos. USP, crys. 25 lb cans. ....lb	1.65	1.75
Powder, 25 lb tins. ....lb	1.70	1.80
Solution, USP 25 lb tins. ....lb	1.10	1.20
Hydrazide, see Soda Caustic		
Hypochlorite, Soln., 100 lb clys. ....lb	...	.05
14% soln., 50 lb clys. ....lb	...	.04
Hydrosulfite, 200 lb bbls, rob. wks. ....lb	.22	.24
For Stripping, 50 lb cans. ....lb	.35	.40
Hyposulfite, USP, 25 lb cans D. ....lb	.70	.75
HYPOSULFITE, tech. pea crys.		
375 lb bbls, wks. ....100lb	2.65	3.05
Bbls. c/l wks. ....100lb	...	2.50
100 lb kegs wks. ....100lb	2.75	3.35
Imp. ....100lb	2.75	3.00
Granulated, bbls, wks. ....100lb	2.90	3.30
Bbls. c/l wks. ....100lb	...	2.75
Kegs, wks. ....100lb	3.00	3.60
Regular crystals. ....100lb	2.55	2.65
Iodide, USP, 25 lb jars. ....lb	4.25	4.30
Metadlate, 150 lb bbls. ....lb	.55	.70
Naphthionate, 300 lb bbls. ....lb	.59	.62
Nitrate crude, 95%, 200 lb bgs. c/l NY. ....100lb	...	2.65
Futures, NY. ....100lb	2.40	2.45
Double screened, 400 lb bbs. gran. c/l wks. ....lb	...	.04%
Nitrite, 500 lb bbls, wks. ....lb	.08	.08%
Bbls. spot, makers. ....lb	...	.08%
Imp. 650 lb casks. ....lb	.08%	.09

## SODIUM—(Continued)

Ortho-Chloro-para-Toluene Sulfo- nate, 175 lb bbls, wks. ....lb	.25	.27
Oxalate, neutral, 100 lb kegs. ....lb	...	.39
Perborate, 275 lb bbls. ....lb	...	.25%
Imp., 225 lb drs. ....lb	...	.21
Peroxide, 200 lb cases. ....lb	.25	.27
Phosphate, di-sodium, tech 550 lb bbls. ....lb	.03%	.03%
USP, gran. 275 bbls. ....lb	.07	.07%
Imp. gran. ....lb	.05%	.06
USP, recryst. 275 bbls. ....lb	.10	.11
Mono-sodium 100 lb kegs. ....lb	.24	.26
Tri-sodium tech. c/l, bbls. ....lb	.03%	.04
Picramate, 100 lb kegs. ....lb	...	.60
Para-Toluene Sulfonate, 175 lb bbls. ....lb	.08	.09
PRUSSIAN, yellow, 250 lb bbls. ....lb	...	.10%
Imp., 450 lb cks. ....lb	.09%	.10
Pyrophosphate, 100 lb kegs. ....lb	.24	.26
Salicylate, 100 lb kegs. ....lb	...	.40
Second Hands, USP, kegs. ....lb	.37	.40
Silicate, 60° 700 lb bbls, f.a.s. NY. ....100lb	...	2.00
Works, 1000 lb drums. ....100lb	...	1.90
Works, tanks. ....100lb	...	1.75
40° domestic, 700 lb c/l f.o.b. wks. ....100lb	...	.30
Works, 1000 lb drums. ....100lb	...	.85
Works, tanks. ....100lb	...	.75
Spot, drums, bbls. ....100lb	1.05	1.30
Silicofluoride, 450 lb bbls, NY. lb	...	.06
Sulfate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls, c/l. ....lb	.03%	.05
Sulfide, 60% solid, 650 lb drs. le/l wks. ....lb	.04%	.05
Drs. c/l wks. ....lb	.03%	.04
Imp. 700 lb drs. NY. ....lb	...	.03%
60% broken, 650 lb drs wks. ....lb	.04%	.05
Imp., 500 lb drs. NY. ....lb	.03%	.04
30% crys. 440 lb bbls, wks. ....lb	.02%	.02%
Imp., 400 lb bbls. ....lb	.02%	.02%
Sulfite, crys. 400 lb bbls, wks. ....lb	.03%	.03%
Anhydrous, 400 lb bbls. ....lb	.09%	.10

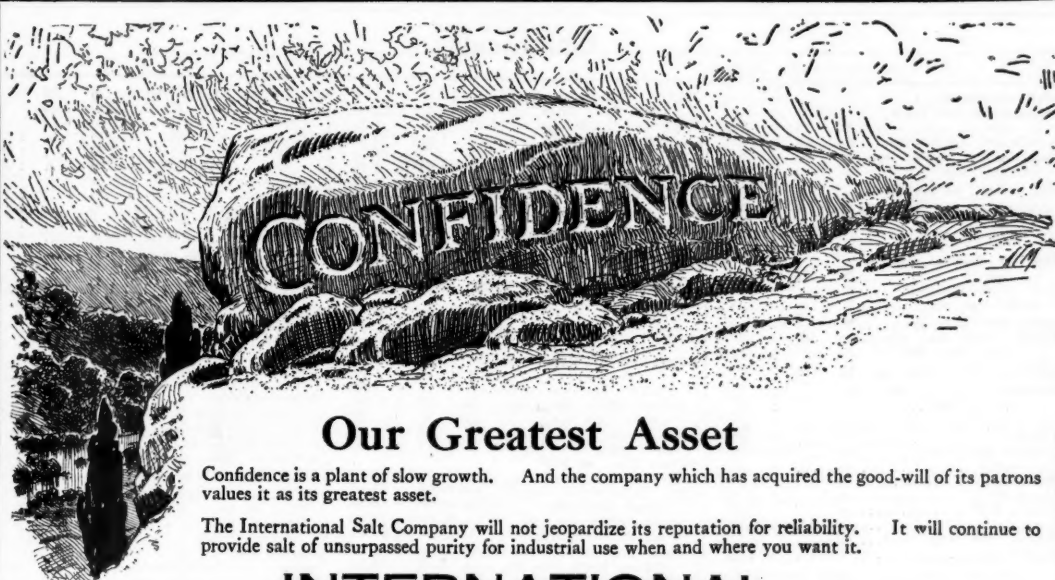


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## Chemicals

<b>SODIUM—(Continued)</b>			<b>SULFUR, crude bulk, c/l NY..ton</b>			18.00	19.00	<b>Thiocarbamillid, 170 lb bbls.....lb</b>			.27	.29
Sulfocarbamate, USP 100 lb			Crude f.o.b. mines .....	ton	14.00	15.00		Thymol, USP, 25 lb tins.....lb			3.00	3.10
kegs .....	.35	.37	Brimstone, 250 lb bags, c/l 100 lb		1.75	1.95		Iodide, 5 lb boxes.....lb			6.75	7.00
Sulfoeyanide, 400 lb bbls.....lb	.45	.47	Less c/l bags NY.....100 lb		1.85	2.10		TIN, Metal Struts, NY.....100 lb			44.10	44.10
Tungstate, crys. 100 lb kegs.....lb	.60	.65	Roll, 500 lb bbls, c/l NY.....100 lb		2.15	2.15		American standard, NY.....100 lb			43.50	43.50
Anhydrous, kegs .....		.75	Less c/l bags NY.....100 lb		2.20	2.45		99% American, NY.....100 lb			43.00	43.00
<b>Solvent Naphtha, see Naphtha</b>			Flour, heavy, 250 lb bbls, 100 lb		2.50	3.05		Bichloride, 56% soln. 100 lb				
Spartein Sulfate, USP, 250z bulk os	.30	.40	Light, 100%, 260 lb bbls, 100 lb		2.60	3.15		bbls. wks. ....			.12%	
Single oz. vial.....os		.47	Rubbersmakers 100%, 240 lb					Crystals, 500 lb bbls. wks.....lb			.33	
Starch, rice, 140 lb bags.....lb	.09	.10	bbls, NY .....	100 lb	2.50	3.30		100 lb kegs, wks.....lb			.33%	
<b>STRONTIUM Bromide, USP, 50 lb</b>			Commercial, 99%, 150 lb bgs.					Oxide, 400 lb bbls. wks.....lb			.48	
kegs .....	.41	.42	NY .....	100 lb	1.35	1.65		100 lb kegs, wks.....lb			.50	
Carb. 600 lb bbls. wks.....lb		.07	For Dusting, 99%, 100 lb					Tetrachloride, 1000 lb drs. wks.....lb			.26	
100 lb kegs wks.....lb		.08	bgs. NY.....100 lb		2.90	3.50		Tolidine, 350 lb bbls.....lb			1.00	
Iodide, USP, 25 lb jar.....lb		4.00	Flowers, 100%, 240 lb bbls.					Sulfate, 350 lb bbls.....lb			1.10	
Nitrate, 600 lb bbls, wks.....lb	.10	.10%	NY .....	100 lb	3.00	3.55		Toluene, 800 gal tank case, wks gal			.26	
Imp., bbls, NY.....lb		.09%	Precipitated, 125 lb bbls NY.....lb		.14	.17		110 gal. drs. wks.....gal			.31	
Salicylate, USP, 100 lb kegs.....lb	.70	.75	Lac, 125 lb bbls NY.....lb		.07	.10		Tolidine, Mixed, 900 lb drs. wks.....lb			.31	
<b>STRYCHNINE Alkaloid, USP, crys.</b>			Sulfur Chloride, red, 700 lb drs.					Triacetin, 50 gal. drs., wks.....lb			.37%	
100oz. tins .....		.61	wks. ....		.06	.07		Tribromphenol, 100 lb cases.....lb			1.00	
Alk. powd., USP.....os		.51	150 lb crys. wks.....lb			.08		Trional, see Sulfonethylinmethane				
Acetate .....		.68	Yellow, 700 lb drs. wks.....lb		.05	.06		Triphenylguanidine .....			.80	
Glycerophosphate, USP .....		.68	150 lb crys. wks.....lb			.07		Triphenyl Phosphate, 450 lb bbls.....lb			.55	
Hydrobromide .....		.68	Sulfur Dioxide, 100 lb cry.....lb		.08	.08%		Triptol, 500 lb bbls.....100 lb			2.50	3.00
Hydrochloride .....		.68	Iodide USP, VIII. 5 lb bot.....lb			4.55		Tungsten NY .....			5.75	9.50
Hypophosphite .....		.78	Sulfuric Ether, see Ether					Ultramarine Blue .....			.18	
Nitrate, USP .....		.68	Sulfuryl Chloride, 600 lb drs.....lb		.75	1.00		UREA, pharm. 112 lb cases.....lb			.80	
Phosphate .....		.68	TALC, Italian 220 lb bags NY.....ton		40.00	50.00		VANILLIN, USP, 500oz cans.....os			.49%	
Sulfate, USP, crys. powd.....os		4.1%	Refined white, bags .....	ton	60.00	80.00		Cans, 80 ozs.....os			.50	
Saccharinate .....		1.75	French, 220 lb bgs. NY.....ton		30.00	35.00		Cans, 16 ozs.....os			.51	
Strychnine preparations quoted bases			Refined, white, bags.....ton		35.00	45.00		Second Hands .....			.42%	.45
100oz lots in 100oz tins. Small tins;			Dom., crude, 100 lb bags NY.....ton		13.00	15.00		Veratrin Red .....			.05	
1/4oz vials, 50c extra; 1/2oz vials, 25c			Refined, 100 lb bags NY.....ton		16.00	18.00		Verdigris, see Copper Subacetate				
extra; single ounce vials. 7c extra. Lots			Tar, Coal Gas, Tks, wks.....gal		.06	.08		Vermillon, Amer. 100 lb kegs.....lb			.35	.40
of 25 ozs. 5c higher than above			Coke Oven Tks, wks.....gal		.07	.08		English, kegs .....			1.30	1.35
schedule. Lots of less than 25 ozs.			Water Gas, Tks, wks.....gal		.06	.08		Veratrine Sulfate, 1oz vial.....os			1.85	
10c higher per oz.			Tartar Emetic, tech. 700 lb bbls.....lb		.26	.28		Hydrochloride, 1oz vial.....os			1.85	
Sugar Coloring, bbls .....	.63	.72	USP, 300 lb bbls.....lb		.31	.34		Veronal, see Acid Diethylbarbituric				
Sugar Milk USP, 200 lb bbls.....lb	.22	.23	Terpin Hydrate, USP, 100 lb kegs.....lb		.60	.62		WHITE LEAD, see lead, white.				
Second Hands, USP, bbls.....lb	.21	.23	Terpinol, CP 1000 lb drums.....lb		.43	.50		White Precipitate, see mercury.				
Sulfonal, see Sulfonmethane			Cans, 50 lb .....		.53	.57		Whiting, 200 lb bags, c/l wks ton	13.00	15.00		
Sulfonethylinmethane, USP, 10 lb bbs.....lb	3.85	4.05	Imported, cans, 25 lb .....		.95	1.20		Bags, 1c/l NY.....ton			18.00	
Sulfonmethane, USP, 10 lb bbs.....lb	2.65	2.85	Terpenyl Acetate, 25 lb cans.....lb		1.65	1.85		Olders, bags, NY.....ton	13.50	15.00		
			Terra Alba, No. 1, 300 lb bbls 100 lb		1.85	1.90		French, bags, NY.....ton			18.00	
			No. 2, bbls.....100 lb		1.25	1.35		English, bags, NY.....ton			21.00	
			Theobromine Alk., 5 lb cans.....lb		4.00	4.10		Witch Hazel Extract, 50 gal, bbls.gal	1.20	1.25		
			and Sod. Salicylate, 1 lb bot.....lb			3.42						

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## Chemicals

<b>XYLENE</b> , 3° dist range, nitration tks. wks. ....gal	.45	: .50
110 gal. drs. NY.....gal	.50	: .55
5° dist range, 8000gal. tanks wks. ....gal	.35	: .40
10 gal. drs. wks. ....gal	.40	: .45
10° dist. range, drums, wks. ....gal	.35	: .40
Commercial 110 gal. drs., wks.gal	.32	: .33
Tanks, wks. ....gal	.26	: .27
Xylidine .....lb	.40	: .45
<b>YARA YARA</b> , 1 lb tins. ....lb	1.75	: 2.00
Yohimbin Hydrochloride, 1 oz. vial. oz	3.00	: 3.57
<b>ZINC</b> , METAL, high grade, slabs c/l NY .....100lb	...	: 8.25
Common Slabs, c/l NY.....100lb	6.10	: 6.15
Wassy, 25 lb bxs NY.....lb	...	: .14
Ammonium Chloride, powd., 400 lb bbls. ....lb	.07½	: .08
Carb. tech. 150 lb kegs NY.....lb	...	: .23
USP, 100 lb kegs .....lb	...	: .33
Chloride, fused, 600 lb drs.wks. ....lb	...	: .06
Drs. c/l wks. ....lb	.04½	: .05
Imp. drs. NY.....lb	.04½	: .05
Granulated, 500 lb bbls.wks. ....lb	.07	: .07½
Imported, drs. NY.....lb	...	: .06½
Solution, 50%, tanks wks. ....lb	2.25	: 2.50
USP, 25 lb jars .....lb	.27	: .29
Cyanide, 100 lb drs. ....lb	.36	: .37
Dust, 100 lb tins wks. ....lb	.09½	: .10
500 lb bbls, kegs, c/l wks. ....lb	...	: .09½
500 lb bbls, kegs, c/l wks. ....lb	...	: .08½
Iodide, 5 lb bbls. ....lb	...	: 5.28
Nitrate, 25 lb jars .....lb	...	: .45
Oxide, Amer. 300 lb bbls, wks. ....lb	.08½	: .08½
Bbls. c/l wks. ....lb	.10½	: .12½
French, 300 lb bbls wks. ....lb	.10½	: .12½
Bbl c/l wks. ....lb	.09½	: .11½
Bags, c/l wks. ....lb	.09½	: .10½
USP, 100 lb bbls. c/l.....lb	...	: .17
Ton lots, wks. ....lb	...	: .18
Imported, white seal, bbls. ....lb	...	: .13
Green seal, bbls. ....lb	...	: .10
USP, 100 lb bbls. ....lb	...	: .19½
Stearate, USP, 50 lb bbls. ....lb	...	: .23
Sulfate, 400 lb bbls, wks. ....lb	.03½	: .03½
Bbls. c/l wks. ....lb	...	: .03
USP, 100 lb kegs .....lb	.08	: .09
Sulfocarbolate, 100 lb kegs....lb	.32	: .34

## Oils

Castor, No. 1, 400 lb bbls. ....lb	.16	: .16½
80 lb cases .....lb	...	: .17
No. 3, bbls. ....lb	.15½	: .16
Blown, 400 lb bbls. ....lb	...	: .18½
China Wood, bbls., spot NY.....lb	.12½	: .12½
Tanks, Spot, NY.....lb	.12½	: Nom.
July forward, arrival NY bbls. ....lb	...	: .12½
July forward, arrival NY tanks. ....lb	...	: Nom.
Coast, tanks, July, forward....lb	.11	: .11½
Coconut Ceylon, 375 lb bbls, NY. ....lb	.09	: .09½
8000 gal. tanks, NY.....lb	...	: .08½
Cochin, 375 lb bbls, NY.....lb	.10	: .10½
Tanks, NY .....lb	...	: .09
Manilla, tanks, P. Coast.....lb	.07½	: .07½
Edible, bbls, NY.....lb	.10½	: .10½
Cod Newfoundland, 50 gal. bbls.gal	.59	: .61
Tanks, NY .....gal	.54	: .56
Copra, bags .....lb	.05½	: .05½
Corn, ref. 375 lb bbls, NY.....lb	.12½	: .12½
Crude, tanks mills .....lb	...	: .09
Bbls., NY .....lb	.10½	: .10½
Cottonseed, crude tks. mill.....lb	.09½	: .09½
P S Y., 100 bbl. lots NY.....lb	.10½	: .11
White, 100 bbl. lots, NY.....lb	...	: .12½
Winter yellow, 100 bbls, NY.....lb	.12½	: .12½
Degras, Amer. 50 gal. bbls., NY. ....lb	.04½	: .04½
English, light, bbls, NY.....lb	...	: .05½
Dark, bbls, NY.....lb	.04½	: .04½
Neutral, bbls, NY .....lb	.10	: Nom.
Moellen, bbls, NY.....gal	...	: .50
Greases, choice white, bbls, NY. ....lb	.09½	: .10
Yellow .....lb	...	: .08½
Brown .....lb	...	: .06½
House .....lb	...	: .06½
Bone naphtha .....lb	...	: .08½
Herring, Tanks, Coast .....gal	...	: ...
Horse, 375 lb bbls, NY.....lb	.07½	: Nom.
Lard, prime steam bbls.....lb	.11½	: .12
Compounds, bbls. ....lb	.12½	: .12½

<b>LARD OIL</b> , Edible prime, bbls. ....lb	...	: .14
Off prime, bbls. ....lb	...	: .12½
Extra, bbls. ....lb	...	: .11½
Extra No. 1, bbls. ....lb	...	: .11½
No. 1 tbs. ....lb	...	: .10½
No. 2 bbls. ....lb	...	: .10½
<b>LINSEED</b> , raw c/l bbls, spot....gal	...	: .96
Five bbls., raw .....gal	...	: .99
Bodied, 5 bbl. lots.....gal	...	: 1.01
Double bodied 5 bbl. lots....gal	...	: 1.02
Raw, 1c/l, bbls. ....gal	...	: 1.01
Tanks .....gal	...	: .90
July-Sept., c/l bbls. ....gal	...	: .96
Imported, bbls, NY.....gal	...	: ...
Tanks, NY .....gal	...	: ...
Menhaden, crude bbls, wks. ....gal	...	: .40
Crude, tanks, Balt. ....gal	...	: .40
Light strained, tanks. ....gal	...	: .60
Light strained, bbls, NY.....gal	.59	: .60
Yellow bleached, bbls, NY.....gal	.62	: .63
Extra bleached, bbls, NY.....gal	.63	: .65
Blown, bbls., NY .....lb	...	: .10
Neatsfoot, 20° c.t. bbls, NY.....lb	...	: .19½
Pure, bbls, NY .....lb	...	: .15
Extra, bbls, NY .....lb	...	: .10½
Oleo Oil, No. 1, bbls, NY.....lb	.13½	: .13½
No. 2, bbls., NY.....lb	.10½	: .11
No. 3, bbls, NY.....lb	...	: .09½
<b>OLIVE</b> , denatured bbls, NY.....gal	1.20	: 1.22
Edible, bbls., NY .....gal	2.00	: 2.25
Foots, bbls, NY .....lb	.09½	: .09½
Shipments .....lb	.09½	: .09½
Palm Lagos, 1500 lb casks.....lb	.07½	: .07½
Niger casks .....lb	.07	: .07½
Bonny old Calabar, casks.....lb	.07	: Nom.
Palm Kernel, bbls., NY.....lb	.09	: .09½
Peanut, refined bbls, NY.....lb	.15½	: .16
Crude, mills buyers' tks. ....lb	...	: ...
Crude, bbls, NY.....lb	...	: ...
Perilla, bbls., NY.....lb	.14½	: .14½
Poppyseed, bbls., NY .....gal	2.25	: 2.50

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## Oils and Fertilizers

Rapeseed, refined bbls. NY.....gal.	.80	: .82	Ammon. Sulf., bulk wks.....100lb	2.50	: 2.60	Rosin Oil, first run, 50 gal. bbls.gal	...	: .38
Blown, bbls. NY, 8 lbs.....gal	...	: 1.00	Double bgs. f.a.s. NY.....100lb	2.60	: 2.65	Second run, bbls.....gal	...	: .44
Red Oil, distilled, bbls.....lb	.08%	: .09½	Single bags, wks.....100lb	2.60	: 2.65	Tar, kiln-burnt.....bbl	...	: 10.50
Saponified, bbls.....lb	.08%	: .09½	NITRATE SODA, NY.....100lb	2.62½	: 2.65	Retort.....bbl	...	: 10.50
Tanks.....lb	...	: .08	Future, July, Aug.....100lb	2.35	: 2.45			
Salmon, 8000 gal. tks. Coast.....gal	...	: .11%	Phosphate Rock, f.o.b. mines					
Sesame, edible bbls.....lb	.11%	: .11%	Florida Pebble, 68%.....ton	...	: 2.25			
Sod Oil, bbls. NY.....gal	...	: .40	Florida Pebble, 70%.....ton	...	: 2.50			
SOYA BEAN, crude tks. Coast..lb	...	: .10½	Florida Pebble, 75-74%.....ton	...	: 3.75			
Crude, tks. NY.....lb	.10½	: .10½	Tennessee, 72%.....ton	...	: 5.50			
Crude, bbls. NY.....lb	.12	: .12½	Phosphate Acid, 16% Bulk wks..ton	7.50	: 8.00			
Sperm, 38° c.t. blechd. bbls. NY.gal	...	: .84	PCTASH					
45° cold test, blechd. bbls. NY.gal	...	: .84	Pot. Chloride, 80% basis, bgs.ton	...	: 31.10			
STEARIC ACID, a.p. 200lb bags..lb	.10½	: .11	Pot. Sulfate, 90% basis, bgs.ton	...	: 41.27			
Double pressed, bags.....lb	.11½	: .11½	Dble. Manure Salts, 48% basis					
Double pressed, bgs., saponified..lb	.11½	: .11½	bgs.....ton	...	: 23.72			
Triple pressed, bgs., distilled..lb	.13	: .13½	Manure Salts, 30% basis, bulk.ton	...	: 15.33			
Triple pressed, bgs., saponified..lb	.13	: .13½	Manure Salts, 20% basis, bulk.ton	...	: 9.50			
Stearine, oleo. bbls.....lb	.12	: .12½	Kainite, 12.4% basis, bulk..ton	...	: 6.50			
Tallow, edible, tierces.....lb	...	: .09½	Bulk in bags, \$2.00 extra.					
City, extra, loose.....lb	.07½	: .07½	Prices c.i.f. Atlantic & Gulf Ports.					
Tallow Oil, acidless tks. NY.....lb	...	: .09½						
Bbls., c/l NY.....lb	.10½	: .10½						
Walnut, crude bbls. NY.....lb	...	: .77						
Whale, nat. winter bbls. NY.....gal	...	: .81						
Blehd. winter bbls. NY.....gal	...	: .83						
Extra Blehd. bbls. NY.....gal	...	: .83						
Crude, No. 1, tanks Coast.....gal	...	: .83						
Crude, No. 2, tanks Coast.....gal	...	: .83						
Crude, No. 3, tanks Coast.....gal	...	: .83						

## Fertilizer Materials

Blood, dried f.o.b. Balt.....unit	3.00	: 3.10
Chicago.....unit	3.50	: 3.75
Bone, 3 & 50 ground steamed..ton	20.00	: 21.00
Raw, Chicago.....ton	...	: 25.00
Cyanamide, NY, basis.....unit	...	: 2.00
Fish Scrap, dried wks.....unit	3.25	: 3.50
Acid, Bulk, 7 & 3½, Deliv.		
Norfolk & Balt. basis..unit	2.85	: 3.00
Steamed Bone Meal, 3 & 50, Balt.ton	...	: 24.00
Tankage, ground, NY.....unit	2.65	: 2.75
High grade f.o.b. Chicago..unit	3.25	: 3.50

## Naval Stores

(Carloads ex-yard N. Y.)		
Spirits Turpentine, bbls.....gal	...	: .83½
Wood Turpentine, stm. distd. bbls.gal	...	: .73½
Destructive distilled, bbls.....gal	...	: .52
Pine Oil, stm. dist'd, bbls.....gal	...	: .60
Pitch, prime.....bbl	...	: 5.50
Rosins, (Sold in 600lb bbls., gross for net, quotations based on a unit of 280lb).		
B.....280lb	...	: 5.55
D.....280lb	...	: 5.65
E.....280lb	...	: 5.75
F.....280lb	...	: 5.80
G.....280lb	...	: 5.80
H.....280lb	...	: 5.80
I.....280lb	...	: 5.80
K.....280lb	...	: 5.85
M.....280lb	...	: 5.90
N.....280lb	...	: 6.10
WG.....280lb	...	: 6.90
WW.....280lb	...	: 7.60

## Dye and Tan Woods

Barwood, chips.....lb	.04½	: .06
Camwood, chips.....lb	.09	: .19
Divi Divi, pods 100-200lb bags.ton	42.00	: 43.00
Fustic, sticks.....ton	80.00	: 83.00
Chips.....lb	.04	: .05
Hemlock, bark.....ton	...	: 20.00
Hyperic, chips.....lb	.06½	: .07
LOGWOOD, sticks.....ton	23.00	: 27.00
Chips 150lb bags.....lb	.03	: .03½
Mangrove bark, African.....ton	34.00	: 36.00
Myrobalans, 150lb bags J1.....ton	37.00	: 38.00
R1.....ton	33.00	: 34.00
J2.....ton	30.00	: 31.00
Nutgalls, see Crudg Drugs		
Oak bark, whole.....ton	20.00	: 23.00
Ground.....ton	...	: 25.00
Quercitron bark, rough.....ton	...	: 10.00
Ground.....ton	20.00	: 25.00
Sumac, Siliy, 160lb bags.....ton	158.00	: 160.00
Virginia, 150lb bags.....ton	40.00	: 45.00
Valonia Caps, 30-31% tan.....ton	32.00	: 33.00
Beard, 42% tan, 150lb bgs.ton	49.00	: 50.00
Mixtures, 36% tan.....ton	37.00	: 38.00
Wattle bark, 150lb bgs.....ton	33.00	: 34.00

## Extracts

Range of prices includes quality range for large quantity.		
Annatto, fine.....lb	.26	: .29
Archil, double 600lb bbls.....lb	.13	: .14
Triple, 600lb bbls.....lb	.16	: .17
Conc., 600lb bbls.....lb	.18	: .20

What is said of  
our Services!

Messrs. Gebr. Waanning Tilly, from Haarlem (Holland) write to us on the 23rd of October, 1922:—

"We received through our Agents, the Registered Deed of the declaration of ownership of our Trade Mark and Proprietary Name, and are pleased to inform you that the same has been found correct and the work done by you to our entire satisfaction.

"If any of our friends should be desirous of having his trade-mark also registered in India, we shall certainly recommend him your firm."

The Huntley Manufacturing Co., from Silver Creek, N. Y., U. S. A., write to us on the 5th of January, 1923:—

"We wish to thank you for the manner in which you have handled this and if there is any further business of this nature at any time that you can attend to, we will be glad to place it in your hands."

Messrs. Max Dörner G. m. b. H., from Solingen (Germany) write to us on the 25th of January, 1923:—

"Please note that we are satisfied by your work, and that further registrations will also be trusted to you."

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## Tannins and Dyestuffs

Chestnut, clarified, 25% tka. wks. D	.01%	.01%
Bble., wks. .... D	.02%	.03
Powd., 60% 100 lb bags, wks. D	.05%	.05%
Decolorized, bags, wks. .... D	.06%	.07
Cashew, English .... D	.18	.20
Cashew, Rangoon, 100 lb bales .... D	.14	.16
Buraco, solid, 100 lb bales .... D	.04%	.05%
Liquid, 45 lb bbls. .... D	.07%	.11
Tablets, 120 lb boxes .... D	.13	.14
Flavine .... D	.95	1.00
Fustic, solid 50 lb boxes .... D	.20	.22
Crystals, 100 lb boxes .... D	.20	.22
Liquid, 51°, 600 lb bbls. .... D	.10	.14
Gall extract .... D	.16	.18
Gambier, 25% liq. 450 lb bbls. .... D	.11%	.14
Common, 200 lb cases .... D	.12%	.13
Singapore cubes, 150 lb bags .... D	.21	.23
HEMATINE, Paste, 500 lb bbls. .... D	.09%	.13
Crystals, 400 lb bbls. .... D	.12	.20
Hemlock, 25% 600 lb bbls. wks. D	.03%	.03%
Hyperic, 51°, 600 lb bbls. .... D	.16	.18
Indigo, Madras, bbls. .... D	.85	.90
Manila, bbls. .... D	...	1.80
Larch, 25%, 600 lb bbls., wks. D	.03%	.04
Powd. 100 lb bags, wks. .... D	.07	.08
Logwood, 51°, 600 lb bbls. .... D	...	.09
Lower grades .... D	.07	.08
Solid, 50 lb boxes .... D	.09	.15
Madder, Dutch .... D	.28	.30
Mangrove, 55% 400 lb bbls. .... D	.04%	.05
Myrobalsam, 25% liquid bbls. .... D	.04	.05
50% solid, 50 lb boxes .... D	.05	.05%
Oak, tanks, wks. .... D	.04	.04%
25-25% liq. 600 lb bbls. wks. D	.04%	.04%
Orange, 51° liquid .... D	.07	.08
Powd. 100 lb bags .... D	.14	.15

Persian Berries .... D	.37	.30
QUEBRACHO, 35% liquid tka. D	.03	.03%
450 lb bbls. .... D	.03%	.04
35% bleaching, 450 lb bbls. D	.04%	.05%
Solid 65% 100 lb bales .... D	.04	.04%
Clarified bales .... D	.04%	.04%
Quercitron, 51° 450 lb bbls. .... D	.07%	.08
Powdered, 100 lb boxes .... D	.09	.13
Spruce, 25% liquid tanks wks. D	.01	.01%
Powd. 50% 100 lb bags wks. D	.02	.02%
Sumac, liquid 450 lb bbls. .... D	.07	.08
Stainless, 600 lb bbls. .... D	.11	.12

## DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. D	...	1.25
Blood, 100 lb drs. .... D	.40	.45
Egg Yolk, Spray, 150 lb cs. .... D	.45	.65
British Gum, 140 lb bags c/l 100 lb	4.39	4.54
Bags, lc/l .... 100 lb	4.69	4.75
Dextrin, corn 140 lb bags c/l 100 lb	...	4.04
Bags, lc/l .... 100 lb	...	4.14
Yellow, bags c/l .... 100 lb	...	4.09
Bags, lc/l .... 100 lb	...	4.19
Potato 220 lb bags c/l .... D	...	.07%
Bags, lc/l .... D	...	.07%
Yellow, 220 lb bags .... D	...	.08
Tapioca, 200 lb bags, lc/l .... D	.09%	.10%
Prussian blue .... D	.60	.62
Sago Flour, 150 lb bags .... D	.04%	.05
STARCH, powd. 140 lb bags c/l 100 lb	...	3.57
Bags, lc/l .... 100 lb	...	3.67
Pearl, 140 lb bags c/l .... 100 lb	...	3.47
Bags, lc/l .... 100 lb	...	3.57
Potato, domestic, 200 lb bags. D	.05%	.06
Imported, bags duty paid. .... D	.06	.06%
Tapioca Flour, high grade bags. .... D	.04%	.05
Medium grade bags .... D	.03%	.04
Low grade, bags .... D	.11	.12
Turkey Red Oil, bbls. .... D	...	.35
Yolk Oil, bbls. .... D	...	.35

## Crude Drugs

Accroides Gum, yel. .... D	.16	.18
ACONITE Leaves, bales .... D	.10	.12
Root, USP, bags .... D	.39	.41
Agar Agar, 1, 200 lb bales .... D	1.50	1.53
No. 2, bales .... D	...	1.35
No. 3, bales .... D	...	1.25
Agaric, white, cases .... D	2.45	2.50
Almonds, bitter bags bxs. .... D	.45	.50
Sweet, bags .... D	.57	.60
Meal, tins, boxes .... D	.26	.28
Aletris Root, bags .... D	.48	.50
Alkanet Root, bags .... D	.08	.06%
Aloes, Barbados, 120 lb bbls. .... D	.65	.70
Cape, 400 lb cases .... D	.08	.08%
Curacao, 100 lb cases .... D	.03	.08%
Socotrine, whole 100 lb cs. .... D	.30	.32
Althea Root, cut cases .... D	.22	.24
Whole bags .... D	.08	.09
Ambergris, black boxes .... cs	8.00	10.00
Grey, boxes .... cs	...	26.00
Ammoniac, tears, bags .... D	.68	.73
Angelica Root, dom. bags .... D	.12	.13
Angostura Bark, bags .... D	.67%	.09
Anise, Levant bags .... D	.15	.16
Russian, bags .... D	.19	.14
Star, cases .... D	.11%	.12
Spanish, bags .... D	.14%	.15
Anatto Seed, 200 lb bags .... D	.24	.25
ARABIC GUM, .... D	...	...
White, No. 1, 200 lb bags .... D	.26	.27
Seconds, 250 lb bags .... D	.24	.25
Soriz, amber, 200 lb bags, bbls. D	.11%	.12
Powd., USP, 300 lb bbls. .... D	.18	.18%
Areca Nuts, 150 lb bags .... D	.09	.10
Powd., 200 lb bbls. .... D	.13	.15
Arnica Flowers, bales .... D	.08%	.09
Root, bags .... D	.25	.30
Arrowsroot, Amer. powd. bbls. .... D	.10%	.11
St. Vincent, powd. bbls. .... D	.13	.14
Asafoetida, USP, 250 lb cases .... D	.18	.20
Powd. 50 lb bxs. .... D	.35	.37
BALM GILEAD BUDS, bags .... D	.43	.48
Balmory Herbs, bales .... D	...	.14

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## Crude Drugs

BALSAMS								
Copalba, Para, 80 lb cs.....	lb	.27 : .29	Canella Alba Bark, bales.....	lb	.50 : .52	Cinnamon, Ceylon, bales.....	lb	.26 1/2 : .27
South American, 80 lb cs.....	lb	.35 : .37	Cannabis, true imp. bags.....	lb	.. : ..	Broken, bales.....	lb	.16 : .20
Fir Canada, cans.....	gal	12.50	American (no assay) bales.....	lb	.30 : .40	Civet, Abyssia horns.....	oz	2.75 : 3.75
Oregon, bbls, cans.....	gal	1.20 : 1.30	USP.....	lb	.70 : .85	Clover Tops, bags.....	lb	.19 : .21
Peru, 120 lb cases.....	lb	1.80 : 1.90	Cantharides, Chinese cases.....	lb	.90 : .95	Cloves, Zanzibar, 135 lb bales.....	lb	.27 1/2 : .28
Tolu, 90 lb cases.....	lb	1.70 : 1.75	Powdered, boxes.....	lb	1.05 : 1.10	Amboyas, bales.....	lb	.40 : .42
Bamboo Brier Root, bags.....	lb	.05 1/2 : .06	Cantharides, Russian, cases.....	lb	.90 : .95	Penang, bales.....	lb	.40 : .42
Barberry Bark, tree bales.....	lb	.12 : .13	Powdered, boxes.....	lb	1.00 : 1.10	Cochineal, USP, boxes.....	lb	.34 : .35
Root, bags.....	lb	.. : ..	Caraway Seed, African, bags.....	lb	.17 : .17 1/2	Coca Leaves, Huancoco bags.....	lb	.. : ..
Bayberry Bark, bales.....	lb	.10 : .12	Dutch, 110 lb bags.....	lb	.17 : .17 1/2	Cohosh Root, Black bags.....	lb	.09 : .11
Wax, bbls.....	lb	.21 : .23	Caraniamom, bleached, cases.....	lb	1.65 : 1.80	Blue, bags.....	lb	.11 1/2 : .12 1/2
Belladonna Leaves, bales.....	lb	.23 : .25	Decorated, cases.....	lb	1.60 : 1.65	Colchicum Root, bags.....	lb	.07 : .08
Root, bags.....	lb	.11 : .12	Green, grinding, bags.....	lb	1.00 : 1.10	Seed, bags.....	lb	.08 1/2 : .09
Bees Wax, white cases.....	lb	.40 : .42	Caranba Wax, Flor. bags.....	lb	.44 : .45	Colocynth, apples, cases, bales.....	lb	.. : .25
Yellow, refined, cases.....	lb	.26 : .31	No. 1 N Country bags.....	lb	.36 : .38	Pulp, USP, bales.....	lb	.25 : .27
Crude, bags.....	lb	.23 : .25	No. 2 N Country bags.....	lb	.29 : .30	Colombo Root, whole bags.....	lb	.02 1/2 : .03
Benzoin Gum, Siam, boxes.....	lb	1.30 : 1.35	No. 3 Fatty Gray, bags.....	lb	.20 : .22	Collafoot Leaves, bags.....	lb	.05 : .06
Sumatra, 80 lb boxes.....	lb	.22 : .25	No. 3 Chalky, bags.....	lb	.20 : .22	Comfrey Root, bags.....	lb	.13 : .14
Berberis Aquifolium Root, bags.....	lb	.13 : .14	Cascara Amarga, 150 lb bales.....	lb	1.25 : 1.35	Condurango Bark, bales.....	lb	.40 : .43
Bitter Root, bags.....	lb	.25 : .30	Cascara Sagrada, bales, 1920-22	lb	.. : ..	Condum Seeds, bags.....	lb	.12 : .14
Blackhaw Bark, root, bales.....	lb	.37 : .39	bark.....	lb	.29 : .30	Copalba Balsam Para, see Balsams	lb	.. : ..
Tree, bales.....	lb	.17 : .19	1923 bark.....	lb	.27 : .28	Copal Gum.....	lb	.12 : .13 1/2
Black Indian Root, 100 lb bags.....	lb	.40 : .42	1924 bark.....	lb	.27 : .28	Coriander Seed, Bombay bags.....	lb	.06 1/2 : .07
Blood Root, bags.....	lb	.14 : .15	Cascarilla Bark, quilla bales.....	lb	.. : ..	Morocco, bags.....	lb	.08 : .08 1/2
Blueflag Root, bags.....	lb	.30 : .32	Siftings, bbls.....	lb	.. : ..	Bleached, bags.....	lb	.13 : .14
soono Leaves, bales.....	lb	.20 : .21	Cassia Bark, 66 lb cases.....	lb	.12 : .12 1/2	Corn Silk, bales.....	lb	.04 1/2 : .05 1/2
Bonnet Herb, bales.....	lb	.07 : .08	China, Whole Rolls, cases.....	lb	.10 : .10 1/2	Cotton Root Bark, bales.....	lb	.12 : .14
Borage Flowers, bales.....	lb	.16 : .20	Saigon, assort. bales.....	lb	.22 1/2 : .24	Cowhage, oz. tins.....	oz	.. : .50
Bryonia Root, bags.....	lb	.09 : .10	Cassia Fistula, baskets.....	lb	.09 : .10	Cramp Bark, so-called bales.....	lb	.07 : .08
BUCHU LEAVES, short, 250 lb	lb	.76 : .85	Castor Beans, bags.....	lb	.03 : .03 1/2	True, bags.....	lb	.30 : .32
bales.....	lb	.82 : .91	Castoreum, 1 lb bot.....	lb	4.00 : 4.50	Cranesbill Root, bags.....	lb	.16 : .18
Less, bales.....	lb	.. : ..	Catechu Gum, bags.....	lb	.09 : .10	CUBED BERRIES, XX bags.....	lb	.65 : .68
Long, bales.....	lb	.. : ..	Catnip Herb, bales.....	lb	.23 : .29	Powdered, boxes.....	lb	.70 : .73
Buckthorn Bark, bags.....	lb	.08 1/2 : .09	Celery Seed, 220 lb bags.....	lb	.32 : .33	Culvers Root, bags.....	lb	.25 : .27
Burdock Root, bags.....	lb	.14 : .16	Ceresin Wax, white bags.....	lb	.10 1/2 : .11	Cumin Seed, Levant bags.....	lb	.22 : .23
Eurody Pith, com., 110 lb cases.....	lb	.. : ..	Yellow 200 lb bags.....	lb	.09 : .10	Morocco, bags.....	lb	.24 1/2 : .25
Ginseng Root, bags.....	lb	.05 : .06	HANOMILE FLOWERS, Roman	lb	.. : ..	Cuttlefish Bone, Trieste, straps.....	lb	.13 : .14
Calabar Beans, bags.....	lb	.12 : .14	bales.....	lb	.63 : .68	Jewellers, large, straps.....	lb	.. : .50
Calamus Root, bleached cases.....	lb	.83 : .85	Hung. cases bales.....	lb	.07 : .07 1/2	Small, straps.....	lb	.. : .35
Unbleached, bags.....	lb	.06 : .07	Charcoal Willow, powd. bbls.....	lb	.06 : .06 1/2	French straps.....	lb	.13 1/2 : .14
Catechidia Petals, imp. bales.....	lb	.22 : .23	Wood, powd. bbls.....	lb	.04 : .05	Powdered, boxes.....	lb	.13 : .14
Calisaya Bark, bales, powd.....	lb	.25 : .26	Chestnut Bark, bags.....	lb	.07 : .08	Broken, boxes.....	lb	.. : .07
Camphor, see Chemicals	lb	.. : ..	Herb, bales.....	lb	.06 : .06 1/2	Damar Gum, 136 lb cases.....	lb	.24 : .25
Canary Seed, Morocco bags.....	lb	.07 1/2 : .08 1/2	Chicle Gum, bags.....	lb	.60 : .65	Damiana Leaves, bales.....	lb	.13 : .15
South American, bags.....	lb	.07 : .07 1/2	Chiretta, bales.....	lb	.10 : .12	Dandelion Root, Imp., bags.....	lb	.34 : .35
Candella Wax, bags.....	lb	.23 : .25	Cinchona Bark, red quilla bales.....	lb	.48 : .50	Deer Tongue Leaves, bales.....	lb	.13 1/2 : .14 1/2
			Broken, bales.....	lb	.21 : .23			

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## Crude Drugs

Digitals Leaves, bales.....lb	.07	.08	Grindelia Robusta Herb, bales...lb	.07½	.08½	LADY SLIPPER ROOT, bags....lb	.50	.55
Dill Seed, bags.....lb	.08	.08½	Guaiac Gum, 80lb cases.....lb	.35	.38	Larkspur Seed, bags.....lb	1.05	1.10
Dogwood Bark, Jamaica bags...lb	.10	.11	Guarana, tins, cases.....lb	.55	.60	Laurel Leaves, bales.....lb	.04	.05
American, bales.....lb	.07	.08	GUM, see Arabic Gum, etc.			Lavender Flowers, ordinary....lb	.22	.26
Doggrass Root, USP, cut bags...lb	.10	.11	MILLEBONE ROOT,			Selected.....lb	.30	.40
Dragons Blood, mass cases.....lb	.85	.47	Black, bbls.....lb	.08	.10	Leeches, tubs.....Per 100	4.00	4.50
Reeds, boxes.....lb	.90	.95	White, Powd., 250lb bbls...lb	.15	.17	Lemon Peel, bags.....lb	.08	.09
ECHINACEA ROOT, bags.....lb	.30	.32	Helonias Root, (uncorn false) bags.....lb	.11	.12	Licorice Root, Russian, whole...lb	.07	.07½
Elecampane Root, bags.....lb	.09	.10	Hemp Seed, Manchurian bags...lb	.03½	.04	Spanish, natural bales.....lb	.08½	.09
Elder Flowers, bags.....lb	.12	.15	Chilian, bags.....lb	.03½	.04	Powdered, bbls.....lb	.09	.09½
Elemi Gum, 89lb cases.....lb	.10	.11	Henbane Leaves, bales, USP...lb	.28	.32	Selected, 2 & 5lb bundles...lb	.14	.17
Elm Bark, select 5lb bundles caseslb	.26	.27	No assay.....lb	.26	.27	Cuttings, 125lb bags.....lb	.07	.07½
Grinding, bags.....lb	.16	.18	Henna Leaves, bales.....lb	.09½	.10	Greek, 150lb bales.....lb	.03	.03½
Powdered, bbls.....lb	.23	.25	Powdered.....lb	.12	.13	Life Everlasting Herbs, bales...lb	.05	.06
ERGOT, 150-200lb bags.....lb	.30	.32	Honey, Calif., 120lb cases.....lb	.12	.13	Lime Juice, clarified bbls.....gal	.60	.65
Eucalyptus Leaves, bales.....lb	.05	.06	Hops, N. Y. prime bales.....lb	.28	.30	Linden Flowers, with leaves, baleslb	.11	.12
Euphorbia Pilulifera Herb, bags...lb	.11	.13	Pacific Coast prime bales.....lb	.25	.27	Without Leaves, bales.....lb	.18	.19
Euphorbium Gum, cases.....lb	.25	.27	Horhound Herb, bales.....lb	.10	.11	Liverwort Leaves, bales.....lb	.19	.20
Powdered, boxes.....lb	.40	.42	Horsetail Rush, bales.....lb	...	.15	Lobelia Herb, bales.....lb	.33	.36
Fennel Seed, French, bags.....lb	.10½	.11	India Gum, see Karaya			Lobelia Seed, bags.....lb	.62	.65
German, bags.....lb	.18½	.18	INSECT FLOWERS, open whole bales.....lb	.50	.52	Lorag Root, Imported, bags...lb	.18	.20
Indian, bags.....lb	.08	.09	Closed whole, bales.....lb	.48	.50	Lupulin, boxes.....lb	1.15	1.20
Flax Seed, whole 180lb bbls...ea	13.00	13.50	Powdered, pure 200lb bbls...lb	.62	.65	Domestic.....lb	1.15	1.20
Ground, 180lb bbls.....lb	.07½	.08	Flowers and stems, 50 p. c. 200lb bbls.....lb	.39	.40	Lycopodium, 88lb cs.....lb	.29	.31
Foenugreek Seed, 200lb bags...lb	.05	.06	Ipecac Root, Cartagena, bags...lb	1.80	1.90	MACE, Siam, No. 1 cases.....lb	.63	.64
Fish Berries, 100-125lb bags...lb	.02½	.03	Powdered, 220lb bbls. boxes...lb	2.10	2.20	Banda, No. 1 cases.....lb	.65	.67
Fringe Tree Bark, bags.....lb	.20	.21	Rio Whole, bags.....lb	1.80	1.90	Batavia, No. 2 cases.....lb	.60	.61
GALANGAL ROOT, bags.....lb	.07½	.08	Powdered, 200lb bbls. bxs...lb	2.10	2.20	West Indian, cases.....lb	.58	.60
Galbanum Gum, cans.....lb	.80	.95	Isinglass, American, 130lb cs...lb	.75	.80	Maiva Flowers, blue bales.....lb	.38	.40
Gambier Gum, bags.....lb	.11	.11½	Russian (Beluga) bxs. ctms...lb	4.00	4.50	Black, bales.....lb	.55	.60
Gamboge Gum, 160lb cases.....lb	.78	.80	JABORANDI LEAVES, bales.....lb	.10	.10½	Manna, large flake cases.....lb	.95	1.00
Powdered, cases.....lb	.87	.90	Jalap Root, whole, 150lb bags...lb	.30	.32	Small flake, cases.....lb	.52	.55
Gelsmium Root, bags.....lb	.11	.11½	Powdered, USP, 250lb bbls...lb	.85	.87	Sorts, cases.....lb	...	.30
Gentian Root, bags.....lb	.08½	.09½	Japan Wax, white bags.....lb	.20	.23	Mandrake Root, bags.....lb	.16	.18
Ginger, African, bags.....lb	.17	.17½	Job's Tears, white bags.....lb	.10	.12	Mastic Gum, 120lb cans.....lb	.50	.55
Jamaica, grinding, bags, bbls...lb	.29	.33	Juniper Berries, 125lb bags...lb	.03	.03½	Mezereon Bark, bags.....lb	.11	.12
Japan, bags.....lb	.16½	.17	KAMALA, boxes.....lb	1.10	1.20	Matteo Leaves, bales.....lb	.16	.18
Cochin, ABC & Lemon, bags...lb	.19	.20	Karaya Gum, powdered, bbls...lb	.12	.18	Marjoram Leaves, German bales...lb	.16	.19
Ginseng Root, cultivated, bags...lb	8.00	10.00	Kava Kava Root, bags.....lb	.13½	.15	French, bales.....lb	.11½	.12
Northwestern Wild, bags.....lb	12.00	14.00	Kino Gum, black cases.....lb	.50	.55	Millet Seed, dom. yellow bags...lb	.03	.04
Southern Wild, bags.....lb	9.00	11.00	Kola Nuts, 150lb bags.....lb	.04½	.05	Montan Wax, crude bags.....lb	.05½	.06
Golden Seal Root, bags.....lb	3.60	3.70	Kousso Flowers, bags.....lb	2.00	2.50	Bleached.....lb	...	...
Powdered, boxes.....lb	3.85	3.95				Moss, Iceland bales.....lb	.08	.08½
Grains of Paradise, bags.....lb	.10	.11				Irish, bleached, bales.....lb	.10½	.11
						Selected, bales.....lb	.09	.09½
						Mullein Flowers, tins.....lb	1.00	1.10

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## Crude Drugs

Musk, pods, Carbadine, tin.....	16.00	17.00	Patchouli Leaves, bales.....	.18	.18	Rosemary Flowers, cases bales....	.25	.28
Tonquin.....	21.00	25.00	Pennyroyal Herb, bales.....	.08	.12	Rose Petals, pale.....	.22	.25
Grain Cab.....	25.00	26.00	Pepper, black Sng. bags.....	.11	.12	Rue Herb, bales.....	.05	.20
Tonquin.....	25.00	28.00	White, bags.....	.15	.16	SABADILLA SEED, bags.....	.18	.23
Synthetic, see Chemicals								
Musk Root, Russian bags.....	.00	4.25	Peppers, red Mombasa, bags.....	.08	.09	Powder, bbls.....	.15	.16
Mustard Seed, Barl brown bags....	.11	.12	Cherries, bags.....	.12	.14	Saffron Flowers, Amer. bales....	.78	.82
Bombay, brown.....	.10	.11	Bombay, bags.....	.10	.11	Valencia, 1 lb cans.....	38.00	39.00
California, brown.....	.11	.11	Japan, bags.....	.22	.24	Sago, Dalmatian bales.....	.04	.05
Yellow.....	.11	.11	Peppermint Leaves, imp. bales....	.22	.24	Greek, bales.....	.04	.05
Chinese yellow.....	.04	.04	Cuts, bales.....	.22	.24	Spanish, bales.....	.03	.03
English, yellow.....	.09	.09	Domestic leaf.....	.32	.34	Sandalwood, chips bags.....	.30	.35
Dutch, yellow.....	.07	.08	Peru Balsam, see Balsams.....	.40	.45	Ground, bags.....	.29	.31
Danish, yellow.....	.08	.09	Picht Leaves, bags.....	.05	.06	Sandarac Gum, 300 lb bbls....	.60	.62
Myrrh Gum, select 200 lb cs.....	.30	.33	Pimento, select bags.....	.95	1.05	Sarsaparilla Root Honduras, bales	.18	.19
Sorts, cases.....	.25	.27	Pink Root, true bags.....	.22	.22	Sassafras Bark, ordinary bales....	.15	.17
NUTGALLS, Chinese, bags.....	.17	.18	Pitch, Burgundy, see Burgundy Pitch	.15	.15	Select, bales.....	.29	.31
Aleppy, bags.....	.14	.15	Pleurisy Root, bags.....	.15	.15	Savory Leaves, bales.....	.06	.07
Nutmegs, 110s cases.....	.40	.41	Plantain Leaves, bales.....	.08	.09	Saw Palmetto Berries, bags.....	1.35	1.40
75s, 50s cases.....	.44	.46	Poke Berries, bags.....	.30	.30	Scammony Root, boxes.....	.07	.07
Nox Vomica Buttons, bags.....	.04	.05	Pomegranate Bark, of root bags....	.25	.28	Scammony Root, bags.....	.22	.24
Powdered, 200 lb bbls.....	.05	.06	Of Fruit, bags.....	.06	.07	SENEGA, Alex 150 lb cases.....	.14	.16
OAK BARK, red bags.....	.06	.07	Of Tree.....	.06	.08	SIFtings, 400 lb bales.....	.10	.11
White, bags.....	.06	.07	Poppy Flowers, red bags.....	.08	.08	Powdered, 200 lb bbls.....	.12	.14
Oilbanum Gum, sift 280 lb cases....	.11	.12	Poppy Seed, Dutch, bags.....	.07	.07	Timevelly, job, 350 lb bbls....	.11	.14
Tears, 280 lb cases.....	.22	.23	German, bags.....	.07	.07	Grinding, 350 lb bales.....	.05	.06
No. 1, all white 280 lb cases.....	9.00	10.00	Turkish, bags.....	.08	.08	Powdered, 200 lb bbls.....	.08	.09
Optum, gum, USP, cases.....	10.00	11.00	Blue Indian, bags.....	.07	.07	Pods, 350 lb bales.....	.85	.87
Granular, cases.....	10.00	11.00	White Indian, bags.....	.14	.18	Serpentaria Root, bags.....	.74	.75
Powdered, USP, cases.....	.50	1.00	Prickly Ash Bark, Southern, bags..	.14	.18	Shells, D.C., bags.....	.74	.75
Orange Flowers, cases.....	.07	.07	Northern, bags.....	.16	.18	V.S.O., bags.....	.73	.74
Orange Peel, bitter, bags.....	.08	.08	Prickly Ash Berries, bags.....	.07	.08	Diamond I, bags.....	.58	.59
Sweet, bags.....	.07	.08	Prince's Pine, bales.....	.04	.04	Superfine, Orange, bags.....	.54	.55
ORRIS ROOT Florentine bold bags....	.09	.10	Quince Seed, bags.....	.05	.06	Fine, bags.....	.53	.54
Powdered, 200 lb bbls.....	.05	.06	RAPE SEED, South Amer. bags....	.05	.06	T.N., bags.....	.69	.70
Verona, bags.....	.07	.09	Dutch, bags.....	.05	.06	Garnet, A. C.....	.68	.67
Powdered, 200 lb bbls.....	.22	.24	Japanese, small, bags.....	.05	.06	Button, bags.....	.65	.66
Fingers, cases.....	.27	.28	Raspberries, dried boxes.....	.17	.19	Bleached, ground, bbls.....	.07	.08
Ookerite Wax, brown hard bags....	.26	.27	Red Saunders.....	.30	.32	Bone dry, bbls.....	.15	.18
Green, hard bags.....	.12	.14	Rhatary Root, bags.....	.35	.37	Sinarrba Bark, bales.....	.70	.75
Refined, yellow bags.....	.09	.10	RHUBARB, Root, H. D., cases....	.04	.05	Sideritis Herb, cut bags.....	.45	.47
PAPRIKA, bags.....	.26	.28	Powdered, 200 lb bbls.....	.03	.04	Skullcap Leaves, Eastern, bales..	.03	.04
Hungarian.....	.26	.28	Rosemary Leaves, bales.....	.03	.04	Western, bales.....	.03	.04
Parula Brava Root, bags.....	.12	.14				Sloe Berries, bags.....	.03	.04
Parley Seed, bags.....	.09	.10						

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Snake Root, Canada natural bags. lb	.45	.50
Stripped, bags	.50	.65
<b>SOAP BARK, whole, 150-200 lb</b>		
bales	.08	.09
Cut, 125-175 lb bags	.09 1/2	.10
Crushed, 200 lb bbls.	.11	.12
Powdered, 200 lb bbls.	.12	.13
Spearmint Leaves, American bales. lb	.15	.24
Spermaceti, blocks cakes cases. lb	.38	.42
Spikenard Root, bags	.25	.27
Spruce Gum, boxes	1.00	1.50
Squaw Vine, bales	.18	.20
Squills, white	.04 1/2	.05
Powdered, bulk	.35	.44
Stavesacre Seed, bags	.42	.45
Sulphur, Siam, 350 lb bales. lb	.39	.40
Stillingia Root, bags	.11 1/2	.12
Stone Root, bags	.09	.10
Storax, liquid artif.	.70	.75
Gen. USP	.90	1.00
St. Iggatius Beans, bags	.12	.13
St. John's Bread, bags	.03	.05
Stramonium Leaves, bales	.06 1/2	.07 1/2
Stramonium Seed, bags	.12	.13
Strophanthus Seed, Hispidus. lb	.35	.40
Kombu, bags	.30	.35
Sunflower Seed, domestic bags. lb	.05 1/2	.06
South American, bags	.05	.05 1/2
<b>TAGALDER BARK, bags</b>	.05	.06
Tamarinds, bbls.	.05 1/2	.06
Kegs	...	3.50
Tansy Herb, bales	.18	.19
Tar, Barbadoes, 50 gal. bbls. gal	1.40	1.50
Thus Gum, 280 lb bbls.	.07	.08
Thyme, Spanish bales	.05 1/2	.06 1/2
French, bales	.07 1/2	.08
Tilla, See Linden		
Tolu Balsam, see Balsam		
Tonga Bark, bags	.27	.29
Tonka Beans, Angostura, cases. lb	2.15	2.25
Para, cases	.75	.80
Surinam, cases	...	...

<b>Tragacanth Gum, No. 1, ribbon</b>		
160 lb cs.	1.20	1.25
No. 2 to No. 6, cases. lb	.80	1.20
Powdered, 50 lb boxes. lb	.85	.90
Turkish, cases	.70	.85
Turnerite Root, Madras bags. lb	...	...
Aleppy, bags	.10 1/2	.10 3/4
Powdered	.12	.13
China, bags	.08 1/2	.09
Turpentine, Venice, true 80 lb cs. lb	.15	.16
Artificial, 80 lb cases. lb	.13	.15
Spirits, see Naval Stores		
<b>UNICORN ROOT, false, see Heloni</b>		
True, see Aletris		
Uva Ura Leaves, bales. lb	.04 1/2	.05
<b>VALERIAN ROOT, Belgian bags. lb</b>	.09 1/2	.10 1/2
Cuts, cases	13.00	14.00
Vanilla Beans Mex. whole cases. lb	11.00	11.50
Bourbon, cases	12.00	13.00
South American, cases. lb	...	...
Tahiti, yellow label cases. lb	7.00	7.50
Green Label, cases. lb	...	...
Vetivert Root, 100 lb bags. lb	.25	.26
Violet Flowers, bags	.70	.75
<b>Wahoo BARK, of root bags. lb</b>	1.00	1.10
Of Tree, bags	.40	.42
White Pine Bark, roseed, bags. lb	.07 1/2	.08
White Poplar Bark, bags. lb	.06	.07
<b>Wild Cherry Bark, thin green</b>		
Rosced, bales	.12	.14
Thick Rosced, bales	.08 1/2	.09
Thin Natural, bales	.09 1/2	.10
Thick Natural, bales	.06	.07
Willow, bark bags	...	.06
White, bags	...	.15
Witch Hazel Bark, bgs.	.07	.08
Witch Hazel Leaves, bales. lb	.07 1/2	.08
Worm Seed, American bags. lb	.08 1/2	.09
Levant bags	5.25	5.50
Wormwood Herb, imported bales. lb	...	.10
Yacca Gum, red	.04	.04 1/2
Ground	.05 1/2	.06 1/2
<b>YELLOW DOCK ROOT, bags. lb</b>	.12	.14
Yellow Parilla Root, bags. lb	.16	.17
Yerba Santa, bags	.09 1/2	.10
Zedoary Root, bags	.11	.12

## Essential Oils

Almond Bitter USP 5 lb bot. lb	3.25	3.50
Bitter ft PA 5 lb bots. lb	3.25	3.50
Sweet, 56 lb cans	.41	.43
Peach Kernel, 55 lb tins. lb	.24	.25
<b>Apriocot, see Peach Kernel</b>		
Amber, crude 25 lb tins. lb	.70	.75
Rectified, 25 lb tins. lb	.90	.95
Angelica Root, 1 lb bot. lb	32.00	36.00
<b>ANISE, Tech., 66 lb case. lb</b>	.50	.52
USP, 50 lb tins	.52 1/2	.55
Bay, 25 lb tins	2.25	2.35
Bergamot, 25 lb coppers	3.50	3.70
Artificial, 25 lb cans	2.25	2.40
Birch Tar, rect. 5 lb bot. lb	1.00	1.10
Crude, 50 lb tins. lb	.30	.50
Bois de Rose, 25 lb tins. lb	4.25	4.50
Cajuput, native, 50 lb tins. lb	.77 1/2	.80
Calamus, 5 lb bot. lb	4.20	4.65
Camphor, heavy, 1000 lb drums. lb	.14 1/2	.15
Japanese, white, 72 lb cases. lb	.13	.14
White, 1000 lb drums. lb	.12 1/2	.14
Cananga, native 25 lb tins. lb	2.00	2.25
Rectified, 25 lb tins	2.75	3.00
Caraway, USP	5.75	6.00
Cardamom, USP, 1 lb bot. lb	28.00	30.00
Carvel, 5 lb bot. lb	14.00	15.00
<b>CASSIA, 80-85 p.c. 400 lb drums. lb</b>	1.45	1.60
Redistilled, USP, 56 lb cans. lb	2.00	2.10
Cedar Leaf, 50 lb tins. lb	1.00	1.05
Cedar Wood, light 1000 lb drums. lb	.42	.44
Celery, 1 lb bot. lb	10.00	11.00
Chaulmoogra, 80 lb cases. lb	.85	.90
Cinnamon, Ceylon, 1 lb bot. lb	11.00	12.50
Leaf, 5 lb bot. lb	1.45	1.60
<b>CITRONELLA, Ceylon,</b>		
1000 lb drums	.80	.90
50 lb tins	.83	.93
Java, 400 lb drums	1.20	1.25
50 lb tins	1.25	1.30
Cloves, USP, 50 lb cans. lb	1.75	1.85
5 lb bot. lb	1.85	1.95

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Copaiba, USP, 50 lb tins.....	40	: 42
Coriander, USP, 1 lb bot.....	12.00	: 12.50
Croton, USP, 25 lb tins.....	1.00	: 1.10
Cubeb, USP, 5 lb bot.....	5.00	: 5.25
Cumin, 1 lb bot.....	12.00	: 12.50
Dill, 1 lb bot.....	4.25	: 4.50
Eriogon, 20 lb tins.....	1.30	: 1.40
<b>EUCALYPTUS, Austl. USP</b>		
50 lb cs.....	55	: 58
500 lb drums.....	53	: 58
Fennel, USP, 25 lb tins.....	90	: 1.10
Geranium, Algerian, 25 lb tins..	7.75	: 8.50
Bourbon, 25 lb tins.....	6.75	: 8.50
Turkish, 25 lb tins.....	4.25	: 4.50
Ginger, 1 lb bot.....	9.00	: 10.00
Gingergrass, 25 lb tins.....	2.75	: 3.00
Hemlock, 50 lb cans.....	90	: 1.00
Juniper Berries, USP, 25 lb tins..	1.25	: 1.30
Wood, 50 lb tins.....	50	: 60
Lavender USP, 25 lb tins.....	4.50	: 6.00
Spike, Spanish, 50 lb cans.....	85	: 1.00
<b>LEMON, Ital. USP, 25 lb tins..</b>		
American, USP, 25 lb tins.....	75	: 80
Lemongrass, native, 50 lb cans....	75	: 85
Limes, express, 25 lb tins.....	2.00	: 2.10
Distilled, 25 lb tins.....	1.05	: 1.15
Linaloe, Mex, 80 lb cases.....	3.50	: 3.75
Mace, distilled, 50 lb tins.....	1.25	: 1.35
<b>MIRBANE, ref., see Ar. Chemicals</b>		
Mustard, IMP, 1 lb bot.....	14.00	: 14.00
Artif., USP, 1 lb bot.....	3.00	: 3.15
Neroli, Bigarade, 1/2 & 1 lb bot....	40.00	: 60.00
Petale, 1 lb bot.....	90.00	: 120.00
Artificial 1 lb bot.....	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	1.25	: 1.35
Orange, bitter, 25 lb tins.....	2.70	: 3.00
Sweet, W. Ind., 25 lb tins.....	2.60	: 2.70
Italian, 25 lb cs.....	2.90	: 3.20
American, 25 lb tins.....	3.00	: 3.10
Distilled, 25 lb tin.....	1.50	: 1.75
Spanish, 25 lb tins.....	2.75	: 3.00
Origanum, 50 lb cans tech.....	30	: 35
Parsley, 1 lb bot.....	3.50	: 4.00
Patchouli, 5 lb bot.....	4.75	: 5.00
Pennyroyal, dom. 25 lb tins.....	2.00	: 2.25
Imported, 25 lb tins.....	1.80	: 1.95
PEPPERMINT, nat. 60 lb cases..	3.85	: 4.05
Rectif., USP, 60 lb cases.....	4.15	: 4.35
Petit Grain, S. Am. 25 lb tins..	1.85	: 2.00
French, 1 lb bot.....	7.00	: 8.00
Itallau, 25 lb tins.....	2.25	: 2.35

Pimento, 25 lb tins.....	2.00	: 2.10
Pinus Sylvestris, 25 lb tins.....	1.40	: 1.40
Pumilio, USP, 25 lb tins.....	2.25	: 2.25
Rose, Fr., 8, 16 & 32 oz pgs....	9.00	: 9.00
Bulg., 8, 16 & 32 oz pgs....	8.00	: 9.00
Artificial, 1 lb bot.....	2.00	: 3.00
Rosemary, USP, 27 1/2 lb. tins....	42	: 46
1000 lb drums.....	35	: 40
Tech., 27 1/2 lb tins.....	35	: 40
Rue, 1 lb bot.....	4.25	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases	6.20	: 6.25
W. Indian, (Amgris) 25 lb tins..	2.75	: 2.90
Sassafras, USP, 50 lb cans.....	1.25	: 1.35
Artificial, 1000 lb drs., 60 lb cans	34	: 36
Savin, 5 lb tins.....	2.50	: 2.75
Spearmint, USP, 60 lb cases.....	2.85	: 2.95
Spruce, 50 lb tins.....	90	: 1.00
Tansy Amer., 20 lb tins.....	3.25	: 3.50
Tar, 50 gal. bbls.....	25	: 26
Refined, USP 25 lb tins.....	85	: 1.00
Thyme, red, USP, 25 lb tins.....	1.00	: 1.10
White, USP, 25 lb tins.....	30	: 35
Tech., 110 lb drums.....	11.00	: 14.00
Vetiver, Bourbon, 1 lb bot.....	30.00	: 32.00
Java, 1 lb bot.....	1.50	: 1.50
Wine, heavy 1 lb bot.....	2.50	: 3.00
<b>WINTERGREEN</b>		
Sweet bel., 25 lb tins.....	1.85	: 2.00
Gaultheria, true 25 lb tins.....	7.00	: 8.00
Southern, 25 lb tins.....	4.00	: 4.25
Synthetic, USP, 50 lb cases.....	4.47	: 4.47
Wormseed Balt., USP, 25 lb tins..	4.30	: 4.50
Wormwood dom., 25 lb tins.....	3.50	: 4.00
Ylang Ylang, Bourbon 10 lb tins	6.00	: 8.00
No. 1.....	5.00	: 6.00
No. 2.....	28.00	: 40.00
Manila, 1 lb bot.....	10.00	: 12.00
Artificial, 1 lb bot.....	2.75	: 3.00
<b>OLEORESINS</b>		
Aspidium, USP, 1 lb bot.....	2.00	: 2.25
Capicum, USP, 5 lb bot.....	3.35	: 3.60
Gilger, 5 lb bot.....	4.50	: 4.75
Cubeb, USP, 1 lb bot.....	15.00	: 18.00
Malefern, See Aspidium.....	3.50	: 4.00
Orris 1 lb bot.....	22.50	: 25.00
Pepper, black, USP, 1 lb bot.....		
Vanilla, 1 lb bot.....		

## Aromatic Chemicals

## NATURAL DERIVATIVES

Anethol, 2 lb bot.....	1.25	: 1.75
Borneol, 1 lb bot.....	3.50	: 3.50
CITRAL, 25 lb cans.....	2.75	: 3.00
Citronellal, 1 lb bot.....	2.00	: 2.25
EUCALYPTOL, USP, 25 lb cans..	75	: 80
Eugenol, USP, 25 lb cans.....	3.25	: 3.50
Geraniol, Domestic, 50 lb cans..	3.25	: 3.50
Imported, 5 lb bot.....	3.75	: 4.50
Extra.....	6.50	: 7.50
Iso-Eugenol, 1 lb bot.....	4.50	: 5.00
Imported.....	5.50	: 6.50
Linalol, 5 lb bot.....	6.25	: 7.50
Front Pois de Rose, 5 lb bot..	11.00	: 12.75
MENTHOL, 60 lb cases.....	10.75	: 11.25
Less cases, 5 lb cans.....	18.00	: 21.00
Rhodinol, 1 lb bot.....	40.00	: 47.00
Extra, 1 lb bot.....	45	: 47
SAFROL, 60 lb cans.....	3.00	: 3.10
Thymol, USP, 25 lb tins.....		

## SYNTHETIC AROMATICS

Acetaldehyde, 50% sol. pure, 5 lb bot.	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	4.25	: 4.50
Aldehyde C-8 (Octyl) 1 lb bot..	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot..	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot.	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot.	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	70.00	: 80.00
<b>Aldehyde, see Anisole Aldehyde</b>		
Amyl Acetate, pure 5 gal. cans.gal	4.00	: 4.25
Amyl Butyrate, 1 lb bot.....	1.75	: 2.00
Amyl Cinnamate, 1 lb bot.....	4.00	: 4.50
Amyl Formate, 1 lb bot.....	1.50	: 1.75
Amyl Phenyl Acetate, 1 lb bot..	4.50	: 5.00
<b>AMYL SALICYLATE, dom. 100 lb chys</b>		
Imported.....	2.25	: 2.50
Amyl Valerate, 5 lb bot.....	4.75	: 5.00
Anisole Aldehyde, 1 lb bot.....	3.75	: 4.25
<b>BENZALDEHYDE, USP, 40 lb chys</b>		
FFC, 40 lb chys.....	1.50	: 1.60
Benzate Ether, See Ethyl Benzoate	1.60	: 1.75
Benzophenone, 1 lb bot.....	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....	1.55	: 1.75

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## THE CHEMICAL AGE

(LONDON)

A weekly journal devoted to Industrial and Engineering Chemistry.

Its news service is unrivalled in Chemical journalism; each weekly issue contains original contributions of practical value by eminent writers.

The Chemical Age is essential to the manufacturer and chemist alike—all desirous of keeping pace with modern development should study its pages week by week.

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## Aromatic Chemicals

Benzyl Alcohol, 5 lb bot.....D	1.45	: 1.55	Iso-Butyl Benzoate, 5 lb bot.....D	4.75	: 5.00	Skatol, 100 bot.....oz	7.00	: 7.25
BENZYL BENZOATE, 5 lb bot.....D	1.60	: 1.75	Iso-Safrol, 1 lb bot. imported...D	5.25	: 5.50	Terpinyl Acetate, 25 lb cans....D	1.65	: 1.85
Medicinal PFC.....D	1.75	: 2.00	Domestic, 5 lb bot.....D	4.00	: 4.25	Imported, 25 lb cans.....D	1.90	: 2.20
Benzyl Butyrate, C.P., 1 lb bot.....D	5.50	: 6.00	Linalyl Acetate, 1 lb bot. Dom...D	8.00	: 9.50	TERPINEOL, C.P., 1000 lb drums.D	.48	: .50
Benzyl Cinnamate, 1 lb bot.....D	10.00	: 10.50	Imp., 1 lb bot.....D	8.00	: 8.50	Cane, 50 lb.....D	.53	: .57
Benzyl Formate, 1 lb bot.....D	3.00	: 3.25	Linalyl Benzoate, 1 lb bot.....D	13.00	: 14.00	Absolute, 25 lb cans.....D	.90	: 1.15
Benzyl Propionate, 1 lb bot.....D	5.00	: 5.25	Linalyl Formate, 5 lb bot.....D	10.50	: 12.00	Imported, 25 lb cans.....D	1.10	: 1.20
Benzyl Acetate, 1 lb bot.....D	3.00	: 3.50	Methyl Acetophenone.....D	4.75	: 5.00	VANILLIN, USP, 500 oz. cans...oz	...	: 49 3/4
Bromistrol, 25 lb bags.....D	3.00	: 4.00	METHYL ANTHRANILATE dom.,			Cane, 10 oz., 50 oz.....oz	.50	: .51
Butyl Anthranilate, 1 lb bot.dom.D	...	: 16.00	1 lb bot.....D	2.75	: 3.25	Second Hands.....oz	.42 1/4	: .45
Butyric Ether, See Ethyl Butyrate			Imported.....D	4.50	: 5.00	Valerianic Ether, See Ethyl Valerate		
Cinnamic Acid, 5 lb cans.....D	3.00	: 3.25	Methyl Benzoate, 5 lb bot. import.D	2.00	: 2.25	Yara Yara, 1 lb cans.....D	1.75	: 2.00
Cinnamic Alcohol, liquid 1 lb bot.D	9.00	: 9.50	Domestic, 5 lb bot.....D	1.75	: 2.00			
Crystallizable.....D	9.50	: 10.00	Methyl Cinnamate, 1 lb bot.....D	3.50	: 3.75			
Cinnamic Aldehyde.....D	3.50	: 3.75	Methyl Heptenone, 1 lb bot.....D	8.00	: 8.25			
CITRONELLOL, 1 lb bot.....D	9.00	: 11.00	Methyl Paracresol, 1 lb bot.....D	8.00	: 9.00			
Imported, 1 lb bot.....D	10.00	: 12.00	Methyl Phenylacetate, 5 lb bot dom.D	3.75	: 4.00			
Chirocetyl Acetate, 1 lb bot.....D	13.00	: 14.00	METHYL SALICYLATE, USP 500 lb					
COUMARIN, 25 lb cans.....D	3.40	: 3.65	drums.....D	...	: .45			
DIETHYL PHTHALATE, 25 lb cans.D	.50	: .55	50 lb cases.....D	...	: .47			
1000 lb drs.....D	.40	: .45	Second Hands.....D	.44	: .45			
Diphenylcaride, 25 lb tins.....D	.85	: .90	Mirbane, rect., 1000 lb drums...D	12 1/4	: .14			
Ethyl Acetate, pure, 5 lb bot.....D	.45	: .50	Musk Ambrette, 1 lb cans.....D	15.00	: 16.00			
Ethyl Benzoate, 5 lb bot.....D	1.85	: 2.00	Musk Ketone, 1 lb cans.....D	17.00	: 18.00			
Ethyl Butyrate, 5 lb bot.....D	1.75	: 2.00	Musk Xylene, 5 lb cans.....D	4.50	: 5.00			
Ethyl Caproate, 1 lb bot.....D	3.25	: 3.50	Nerolin, 1 lb cans.....D	1.65	: 2.00			
Ethyl Cinnamate, 1 lb bot.....D	3.50	: 3.75	Oenanthal Ether, 1 lb bot.....D	1.50	: 2.00			
Ethyl Formate, 5 lb bot.....D	2.00	: 2.10	Phenylacetaldehyde, Dom.,					
Ethyl-methyl Paracresol, 1 lb bot.D	3.25	: 3.50	1 lb bot.....D	8.00	: 10.00			
Ethyl Phenylacetate, 5 lb bot.....D	3.75	: 4.00	Imported.....D	8.00	: 9.00			
Ethyl Propionate, 1 lb bot.....D	2.25	: 2.50	80-85 p.e.....D	15.00	: 18.00			
Ethyl Valerate, 5 lb bot.....D	4.50	: 4.75	Phenylacetic Acid, 1 lb bot.....D	3.00	: 3.25			
Ethyl Salicylate, 5 lb bot.....D	3.25	: 3.50	Phenyl Diacetate, 100 bot.....oz	3.25	: 3.50			
Formic Ether, See Ethyl Formate			PHENYLETHYLALCOHOL dom.,					
Geranyl Acetate, 1 lb bot.....D	5.00	: 5.50	1 lb bot.....D	8.00	: 10.00			
Geranyl Butyrate, 1 lb bot.....D	13.00	: 13.50	Imported.....D	8.00	: 9.00			
Geranyl Formate, 1 lb bot.....D	12.00	: 12.50	Phenylethyl Butyrate, 1 lb bot.....D	26.00	: 28.00			
Heptocypin, dom., 100-10 lbs.D	1.85	: 2.00	Phenylethyl Formate, 1 lb bot.....D	19.00	: 21.00			
Hydroxycitronellal, 1 lb bot.....D	2.50	: 2.75	Phenylethyl Propionate, 1 lb bot...D	20.00	: 24.00			
Indol, C.P., 100 bot.....oz	6.00	: 6.50	Phenylethyl Valerate, 1 lb bot.....D	25.00	: 29.00			
Ionone, 1 lb bot. 100%.....D	10.00	: 11.00	Phenylpropylalcohol, 1 lb bot.....D	15.00	: 16.00			
Alpha.....D	14.50	: 16.00						
Beta.....D	12.75	: 14.50						
Methyl.....D	16.00	: 18.00						

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Imports at New York, June 28 to July 5

**ACID—Boracic**, 200 bgs., Pacific Coast Borax Co., Leghorn; **Cresylic**, 47 drs., E. H. Watson, Glasgow; 12 drs., Sherlow Chem. Co., Liverpool; 14 drs., W. E. Jordan & Bro., Liverpool; **Oxalic**, 86 cks., A. Klipstein & Co., Hamburg; 33 cks., Roessler & Hasslach Chem. Co., Christiania

**ALBUMEN—Blood**, 10 bbls., Farmers Loan & Trust Co., Trieste

**AMMONIUM—Nitrate**, 102 cks., Kuttroff Pickhardt & Co., Hamburg; **Persulfate**, 10 cks., C. D. Stone & Co., Bremen; **Valerianate**, 3 cs., Mallinckrodt Chem. Wks., Hamburg

**ALOES—44 cs.**, E. R. Legg & Co., Algoa Bay

**ARSENIC—700 cks.**, Ore & Chem. Corp., Hamburg; 300 cks., Guaranty Trust Co., Hamburg; 114 cs., Order, Antwerp

**BAY RUM—Denatured**, 10 cks., Lo Curto & Funk, St. Thomas

**BLEACHING POWDER—125 cs.**, H. Kohnstamm & Co., Liverpool

**CALCIUM—Nitrate**, 73 cks., Order, Christiania

**CALCIUM—Sulfate**, 13 cs., Mallinckrodt Chem. Wks., Bremen

**CALOMEL—10 cs.**, H. J. Baker & Bro., London

**CASEIN—834 bgs.**, Bk. of the Americas, Buenos Aires; 1,666 bgs., Order, Buenos Aires; 834 bgs., Nat. City Bk., Buenos Aires; 1,084 bgs., Order, Buenos Aires

**CHROME FLUORIDE—10 cks.**, Order, Hamburg

**CINCHONIDINE—10 cs.**, Mallinckrodt Chem. Wks., Rotterdam

**COCOA BUTTER—187 bgs.**, Order, Hamburg

**COLORS—18 pks.**, Geigy Co., Havre; 13 cs., 30 cks., Ciba Co., Havre; 3 cks., Carbic Color & Chem. Co., Havre; 9 bbls., Intern. Intaglio Corp., Hamburg; 1 bbl., Amer.

Exch. Nat. Bk., Antwerp; 5 cks., Kuttroff Pickhardt & Co., Rotterdam; 2 cks., Garfield Aniline Wks., Rotterdam; 3 cks., A. H. Meyer, Rotterdam; 4 cks., G. A. Kuhl, Rotterdam; 13 cks., Bk. of Manhattan Co., Rotterdam; 6 cks., H. A. Metz & Co., Rotterdam; 5 bbls., A. Hurst & Co., Rotterdam; 6 cs., 5 cks., Grasselli Chem. Co., Rotterdam; 7 cks., 1 cse., Kuttroff Pickhardt & Co., Rotterdam; 3 kgs., Bernard

Judae & Co., Liverpool; 1 cse., Order, Marseilles; 2 cks., O. Hommel Co., Bremen; 2 cs., N. Y. Trust Co., Hamburg; 10 pgs., Franklin Imp. & Exp. Co., Hamburg; 14 bbls., Intern'l Intaglio Corp., Hamburg; 5 cks., 1 cse., Bernard Judae & Co., Hamburg; **Bronze Powder**, 10 cs., L. Uhlfelder & Co., Bremen; 12 cs., Ohio Bronze Powder Co., Bremerhaven; 2 cs., Amer. Exp. Co., Bremerhaven; 3 cs., Bendheim & Hochren-

ther, Bremerhaven; **Coal Tar**, 10 cks., 1 cse., 12 bbls., 1 kg., H. A. Metz & Co., Rotterdam; 1 ck., Franklin Imp. & Exp. Co., Hamburg; **Earth**, 1 ck., Pomeroy & Fischer, London; 15 cs., C. J. Osborn Co., Hamburg; 17 cks., Reichard Coulston, Inc., Hamburg; 21 cks., Reichard Coulston, Inc., Hamburg; 25 cks., J. Lee Smith & Co., Hamburg; 29 cks., Fezandie & Sperle, Bremen; 37 cks., Fernandez & Sperle, Bremen; 11 cks., L. H. Butcher Co., Bremen; 15 cks., H. J. Baker & Bro., Hamburg; **Mineral**, 3 bbls., D. C. Andrews & Co., Hamburg; 70 bbls., Order, Hamburg

**COPPER—Oxide**, 95 drs., C. B. Richard & Co., Hamburg; 20 drs., Order, Hamburg

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**FLOWERS—Chamomile**, 6 bbls., Banque Belge L'Etranger, Antwerp; **Willow**, 3 bbls., Banque Belge L'Etranger, Antwerp

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IRON—Powder, 5 cs., Mallinckrodt Chem. Wks., Bremerhaven

IRON OXIDE—9 cs., Reichard Coulston, Inc., Liverpool; 75 bbs., Reichard Coulston, Inc., Marseilles; 20 cs., 10 kgs., J. H. Rhodes & Co., Liverpool; 29 cs., J. A. McNulty, Liverpool

JUICE—Lime, 3 cs., Planters Produce Co., Dominica; 2 cs., Brodt & Bird Co., Trinidad; 8 cs., Middleton & Co., Guadeloupe; 100 cs., T. A. Hedley, Liverpool; Paw Paw, 19 cs., Chase Nat. Bk., London

KAOLIN—399 bgs., Lunham & Moore, Hamburg

LEAVES—112 bbs., Order, Marseilles; Coca, 78 bbs., Maywood Chem. Wks., So. Pac. Ports; 34 bbs., Maywood Chem. Wks., Salaverry; Henna, 60 bgs., Order, Port Said

LICORICE—Paste, 30 cs., H. Utard, Smyrna; 50 cs., Order, Smyrna

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Milin, Grasse; Bay, 1 bbl., R. Moelhausen, Guadeloupe; Bergamot, 10 cs., Order, Messina; Copaiba, 63 cs., F. Ross & Co., Hamburg; Caraway, 2 cs., Order, Hamburg; Citronella, 7 drs., Phila. Nat. Bk., Batavia; 4 drs., Phila. Nat. Bk., Batavia; 1 drum, Schulz & Ruckgaber, Batavia; Gaulacwood, 1 cse., Morana, Inc., Rotterdam; Lemon, 100 cs., Order, Messina; Lemongrass, 4 drs., Order, Colombo; Orange, 20 cs., Order, Port Antonio; 4 cs., Belgian Trdg. Co., Messina; 25 cs., East River Nat. Bk., Messina; Rose, 1 trunk, G. R. Starkoff, Southampton

OPIUM—15 cs., Brown Bros. & Co., Constantinople; 12 cs., Order, Constantinople; 3 cs., McKesson & Robbins, Southampton

PITCH—5 bbs., Nairn Linoleum Co., Liverpool; Burgundy, 205 stands, S. B. Penick & Co., Hamburg; Montan, 225 bgs., Order, Hamburg

POTASSIUM SALTS—30 cs., Roessler & Hasslacher Chem. Co., Hamburg; 32 cs., A. Klipstein & Co., Hamburg; 27 bbs., Order, Hamburg; Caustic, 50 drs., Peters White & Co., Hamburg; 125 drs., Superfos Co., Hamburg; 61 drs., A. Klipstein & Co., Hamburg; Chlorate, 300 cs., E. Suter & Co., Hamburg; 5 cylinders, C. Hardy, Inc., Havre; Murate, 166 bgs., Soc. Comm. Des Potasses D'Alsace, Antwerp; 2,000 bgs., Potash Imp. Corp. of Amer., Bremerhaven

PYRIDINE—5 drs., Order, Hamburg

ROOTS—60 bgs., Parke Davis & Co., Hamburg; Arrow, 16 cs., J. P. Smith & Co., London; Burdock, 19 bbs., Banque Beige L'Etranger, Antwerp; Licorice, 16 bbs., Order, Smyrna; Orris, 153 bgs., Order, Leghorn; 40 bgs., Order, Italy; Vetivert, 2 bbs., Order, Colombo

ROSIN—76 cs., Eastman Kodak Co., Bordeaux; 4 bbs., Mecke & Co., Azua

SAL AMMONIAC—75 bbs., Roessler & Hasslacher Chem. Co., Hamburg

SALT—335 bgs., Swift & Co., Maracaibo; 200 bgs., Diener Blank & Co., Hamburg; 500 bgs., Amer. Commerce & Finance Co., Hamburg; 600 bgs., J. Aetebach & Co., Turks Island; 14,887 bu., Middleton & Co., Turks Island; 540 sks., W. A. Hazard & Co., Liverpool

SEEDS—Annatto, 12 bgs., Phila. Nat. Bk., Batavia; 88 bgs., Amermann & Patterson, Copenhagen; Canary, 441 bgs., Fidelity Internatl. Trust Co., Buenos Aires; 154 bgs., Order, London; Caraway, 50 bbs., C. Armstrong, Inc., Rotterdam; 46 bgs., Catz Amer. Co., Rotterdam; 200 bbs., French Kremer Co., Rotterdam; Castor, 68 bgs., H. Mann & Co., Port de Paix; Fescue, 60 sks., F. B. Vandegriff & Co., Bremerhaven; Flax, 8,947 lbs., Amer. Linseed Co., Rosario; 13,942 bgs., L. Dreyfus & Co., Buenos Aires; 34,605 bgs., Order, Buenos Aires; 42,490 bgs., Amer. Linseed Co., Rosario; Lucerne, 200 bgs., Nebraska Seed Co., Havre; 700 bgs., Order, Trieste; Millet, 100 bbs., Order, Hamburg; Mustard, 600 sks., R. F. Downing & Co., London; Poppy, 100 bbs., F. A. Wamstaker, Rotterdam; Quince, 4 bgs., Nat. City Bk., Capetown; 18 bgs., Amsinck Sonne & Co., Capetown

SHELLAC—8 cs., C. F. Gerlach, Rotterdam; 400 bgs., Brunswick Balke Collender Co., Calcutta; Garnet, 50 cs., Rogers Pyatt Shellac Co., Hamburg; 25 cs., Order, Hamburg; Sticklac, 904 bgs., Davies Turner & Co., Bremen; 115 bgs., Standaard Bk. of So. Africa, Singapore; 84 bgs., Order, Marseilles

SILVER—Sulfide, 96 cs., Watson Geach & Co., Antofagasta

SOAP—30 bbs., Batjur & Co., Marseilles; 147 cs., Order, Marseilles; 13 cs., Lord & Taylor, Hamburg; 525 bbs., C. L. Huisking, Inc., Italy; 1,150 bbs., J. D. Nordlinger, Italy

SODIUM SALTS—Chlorate, 300 bbs., Seaboard Nat. Bk., Hamburg; Cyanide, 106 cs., 112 drs., Order, Liverpool; Fluoride, 15 cs., Mech. & Metals Nat. Bk., Hamburg; 400 bbs., Order, Copenhagen; Hyposulfite, 200 cs., Order, Hamburg; Peroxide, 20 cs., C. Hardy, Inc., Havre; Phosphate, 22 cs., Order, Copenhagen; Nitrate, 30,469 bgs., Wessel Duval & Co., Iquique; 13,400 bgs., E. I. du Pont de Nemours & Co., Iquique; 24,866 bgs., W. R. Grace & Co., Iquique; 154 bgs., Order, Christiania; Prussiate, 38 cs., Meteor Products Co., Rotterdam; 94 cs., Meteor Products Co., Rotterdam; 27 cs., A. Klipstein & Co., Rotterdam; 23 cs., C. Tennant Sons & Co., Liverpool; Sulfate, 52 drs., C. S. Grant & Co., Hamburg

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TAPIOCA—606 bgs., Stein Hall & Co., Batavia; Flour, 500 bgs., Phila. Nat. Bk., Batavia; 202 bgs., Chatham & Phoenix Nat. Bk., Batavia; 23 bgs., W. Van Doorn, Rotterdam; 401 bgs., Order, Sourabaya; 510 bgs., Catz Amer. Co., Batavia; 4 bgs., C. Hardy, Inc., Batavia; 1,732 bgs., Stein Hall & Co., Batavia; 510 bgs., Chatham & Phoenix Nat. Bk., Batavia; Pearl, 100 bgs., Catz Amer. Co., Batavia; 192 bgs., Stein Hall & Co., Batavia

TARTAR—42 bgs., Order, Bordeaux; 582 bgs., C. Pfizer & Co., Marseilles; 205 bgs., Royal Bkg. Powder Co., Marseilles

TEA WASTE—958 bgs., Nat. City Bk., London

TETRACHLORETHANE—8 drs., Innis Speiden & Co., Hamburg; 54 drs., Roessler & Hasslacher Chem. Co., Hamburg

TURMERIC—126 bgs., 138 bgs., Order, Aleppo; Bulb, 700 bgs., Order, Colombo; Finger, 193 bgs., Order, Madras; 128 bgs., Order, Colombo

VALONIA—336 bgs., Order, Constantinople

VANILLA BEANS—4 cs., Dodge & Olcott Co., Dominica; 4 cs., G. Luaders & Co., Havre; 23 cs., J. L. Vandiver, Havre; 4 cs., Bankers Trust Co., Bordeaux; 28 cs., Thurston & Braidich, Southampton; 70 cs., Order, Marseilles

VENETIAN FED—100 cs., J. Lee Smith & Co., Liverpool

WAX—25 bbs., Acme Steel Goods Co., Valparaiso; 33 bgs., So. Amer. Bk., Coquimbo; Animal, 50 cs., Order, London; Bayberry, 11 bbs., Michelson & Sternberg, Capetown; Bees, 35 cs., Order, Rotterdam; 13 cs., Bk. of Amer., Alexandria; 35 bgs., W. R. Grace & Co., Talcahuano; 29 sks., Strohmeyer & Arpe Co., Talcahuano; 22 cs., Order, Constantinople; 35 cs., Nat. City Bk., Hamburg; 5 bgs., Equit. Trust Co., Hamburg; 4 bgs., J. J. Julia & Co., Hamburg; 1 bdl., Yglesias & Co., Hamburg; 8 bgs., Yglesias & Co., Sanchez; 3 seroons, J. J. Julia & Co., Monte Cristi; 9 cs.,

## Industrial Chemicals

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**WHITING**—5,149 bgs., Taintor Trdg. Co., Dunkirk  
**WOOFFLOUR**—1,500 bgs., B. L. Soberski, Christiania  
**WOOL GREASE**—100 bbls., Amer. Trust Co., Bremen; 30 bbls., Order, Bremen  
**ZINC—Ammonium Chloride**, 44 bbls., A. Klipstein & Co., Antwerp; **Carbonate**, 12 cks., H. Heinrich Chem. Corp., Bremerhaven; **Oxide**, 100 cks., E. M. & F. Waldo, Antwerp; 20 cks., L. H. Butcher Co., Liverpool

# IMPORTS AT BALTIMORE

June 23 to July 2  
**CHROME ORE**—1,000 tons, E. J. Lavino & Co., Newby Hall, Beira  
**CLAY**—184 casks, F. H. Shallus Co., Hornfels, Bremen  
**FERRO-MANGANESE**—505 tons, F. H. Shallus Co., Selma City, Liverpool

**GREASE—Wool**, 200 bbls., F. H. Shallus Co., Hornfels, Bremen  
**Oil—Sesame**, 230 bbls., F. H. Shallus Co., Breddijk, Rotterdam  
**POTASH—Manure Salt**, 440,000 lbs., Potash Importing Corp., Hornfels, Bremen  
**SEED—Rape**, 59 bags, to order, Breddijk, Rotterdam  
**STARCH—Potato**, 200 bags, Stein, Hall & Co., Breddijk, Rotterdam

# IMPORTS AT NEW ORLEANS

June 26 to July 3  
**BAUXITE**—2,560 tons, Republic Mfg. Co., Georgetown, D. G.  
**CHICLE**—178 bales, Wm. Wrigley, Jr. & Co., Fort Barrius  
**MAGNESIUM—Chloride**, 1,680 lbs., Order, England  
**MAGNESITE**—2,800 lbs., Order, England  
**SALT**—2,500 sacks, Order, Liverpool; **Lump**, 40 tons, Order, Liverpool  
**SEEDS—Canary**, 11,023 lbs., Order, Netherlands; **Cumin**, 1,600 lbs., Order, France

# IMPORTS AT PHILADELPHIA

June 25 to July 2  
**CALCIUM—Sulfate**, 60 casks, Bullock, Bordeaux  
**CLAY**—7,420 tons, 14 cwt., Various consignees, Fowey  
**FLUORSPAR**—500 tons, Shriner & Co., Middlesboro; 1,160 tons, 14 cwt., Order, Middlesboro  
**MANGANESE—Chloride**, 332 drums, Brown Bros. & Co., Bremen; **Oxide**, 4 casks, Foote Mineral Co., Bremen  
**NITROGENOUS MANURE**—500 bags, Order, Bremen  
**OIL—Olive**, 350 cases, Order, Leghorn; **Palm**, 41 casks, Order, Liverpool  
**PAPRIKA**—10 cs., F. B. Vandegrift & Co., Alicante; 100 cs., Order, Alicante  
**POTASH—Muriate**, 1,250 bags, Potash Importing Co., Bremen  
**SODIUM—Prussiate**, 23 casks, C. Tennant Sons & Co., Liverpool  
**WOOD FLOUR**—334 bags, O. G. Hemstead & Son, Bremen

During May, exports of coal-tar products fell 7 per cent from \$1,262,639 in May, 1923, to \$1,177,428 in May, 1924, says the Chemical Division, Department of Commerce. After the very low figure that was reached in the preceding month of April, it was gratifying to note the improvement made in May. Rather exceptionally big shipments (23,538,244 pounds, valued at \$704,157) of benzol were made in May. More aniline oil and salts also were exported than for some time past, while the exports of coal-tar colors, dyes, and stains continued to be under the previous figures of this year and last.

The 26 per cent advance in the exports of naval stores, gums, and resins from \$1,708,649 in May, 1923, to \$2,152,247 in May, 1924, was largely due to the increased activity of spirits of turpentine, when sales once more approached the average monthly figure of 1923 and surpassed the 1922 average; 1,196,051 gallons, worth \$1,058,429, were shipped abroad in May, 1924. Sales of wood turpentine and turpentine substitutes were also large during May.

Exports of rosin during May totaled 102,735 barrels valued at \$894,862. Exports of spirits of turpentine during the same month totaled 1,196,051 gallons valued at \$1,058,429.

Allen W. Clark, publisher of the "American Paint Journal," St. Louis, is on a pleasure trip through England.

A. G. Watt of A. G. Watt Co., Cleveland, colors, is on a European trip. He will return in September.

# CHEMICAL SUPPLIES WANTED

The purchasing agent, Government Printing Office, Washington, D. C., will take bids until July 11, for 500 pounds of molding wax.

H. E. Deckman, 615 M. street, West Palm Beach, Fla., is desirous of getting into touch with companies in position to supply magnesite and chloride of magnesium.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will take bids until July 22, for a quantity of cottonseed oil for various navy yards, as specified in Schedule 2405.

The chief supervisor in charge, Haskell Institute, Lawrence, Kan., will take bids until July 14, for 2,400 pounds of liquid boiler compound.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (No. 42456) from a company at Delhi, India, for chemicals of various kinds. Also, an inquiry (No. 42461) from a firm at San Juan, Porto Rico, for chemicals, drugs and fine quality soaps. Also an inquiry (No. 42451) from a trading company at Bombay, India, interested in the purchase of lubricating and olive oils.

The purchasing agent, Government Printing Office, Washington, D. C., will receive bids until July 11, for 5,000 pounds of rosin varnish oil.

The purchase and issue subdivision, United States Veteran's Bureau, Arlington Building, Washington, D. C., will take bids until July 14, for a quantity of laboratory supplies, as specified in Circular 231.

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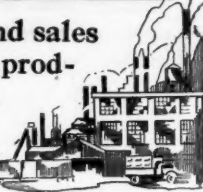
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# 1925 GUIDE BOOK

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*Last date to secure advertising space, or free listing in the GUIDE BOOK—July 15. One free copy of this latest directory will be mailed to each subscriber to DRUG & CHEMICAL MARKETS late in the year, the same as in former years.*

**DRUG & CHEMICAL MARKETS**

3 Park Place, New York

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## THE NEWPORT QUALITY

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Meta Phenylene Diamine	
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